

Contract # 059123**STATE OF UTAH CONTRACT**

1. **CONTRACTING PARTIES:** This contract is between the following agency of the State of Utah:  
Department of Transportation Agency Code: 810 Traffic Management, Division referred to as (STATE), and the following  
CONTRACTOR:

Hidden Peak Electric Company Inc.

Name

4586 South Cherry Street Unite A

Address


Murray  
CityUT  
State84123  
Zip**LEGAL STATUS OF CONTRACTOR**☐ Sole Proprietor☐ Non-Profit Corporation☒ For-Profit Corporation☐ Partnership☐ Government Agency

Contact Person      Dereke Lee      Phone # (801) 262-5513      E-mail [dlee@hiddenpeakelectric.com](mailto:dlee@hiddenpeakelectric.com)  
Federal Tax ID#      87-0535620      Vendor #      61816B      Commodity Code #55088000000

2. **GENERAL PURPOSE OF CONTRACT:** The general purpose of this contract is to provide:  
Service and components to install, relocate, and repairs of Advanced Traffic Management System (ATMS) devices, at various locations, for Department of Transportation (UDOT). ATMS devices include, but are not limited to Ramp Meter, Closed Circuit Television (CCTV), Traffic Monitoring Station (TMS), Road Weather Information Station (RWIS), and Weight in Motion Systems,. The location for the work will include UDOT Regions 1, 2, 3 and 4.
3. **PROCUREMENT:** This contract is entered into as a result of the procurement process on RX# , 46000000154 , FY04 Bid#PM4004
4. **CONTRACT PERIOD:** Effective date 01 December 2004 Termination date 30 November 2006 unless terminated early or extended in accordance with the terms and conditions of this contract. (3) -1 year options.
5. **CONTRACT COSTS:** This is a requirements Contract. The CONTRACTOR will be paid per the prices as detail in Attachment B Pricing, of the contract.
6. **ATTACHMENT A:** Division of Purchasing's Standard Terms and Conditions  
**ATTACHMENT B:** Scope of Work, Pricing and Exhibits I, II, III  
**ATTACHMENT C:** Special Terms and Conditions  
**Any conflicts between Attachment A and other Attachments will be resolved in favor of Attachment A.**
7. **DOCUMENTS INCORPORATED INTO THIS CONTRACT BY REFERENCE BUT NOT ATTACHED:**  
a. All other governmental laws, regulations, or actions applicable to the goods and/or services authorized by this contract.  
b. Utah State Procurement Code, Procurement Rules, and CONTRACTOR'S response to Bid # PM4004 dated 06/15/04 .

IN WITNESS WHEREOF, the parties sign and cause this contract to be executed.

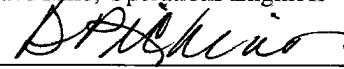
**CONTRACTOR**

 12/23/04  
Contractor's signature      Date

Dereke Lee      President  
Type or Print Name and Title

**STATE**

 DEC 9 2004  
Dave Mile, Operations Engineer      Date

 JAN 25 2005  
Director, Division of Purchasing      Date

CONTRACT RECEIVED AND  
PROCESSED BY  
DIVISION OF FINANCE  
Director, Division of Finance      JAN 26 2005      Date

JUL 19 2005  
ENT'D MAR 30 2005

Denice McCarthy  
Agency Contact Person

(801) 965- 4761  
Telephone Number

(801) 965-4073  
Fax Number

Dmccarthy@utah.gov  
Email Address

## STANDARD TERMS AND CONDITIONS

1. **AUTHORITY:** Provisions of this contract are pursuant to the authority set forth in 63-56, Utah Code Annotated, 1953, as amended, Utah State Procurement Rules (Utah Administrative Code Section R33), and related statutes which permit the State to purchase certain specified services, and other approved purchases for the State.
2. **CONTRACT JURISDICTION, CHOICE OF LAW, AND VENUE:** The provisions of this contract shall be governed by the laws of the State of Utah. The parties will submit to the jurisdiction of the courts of the State of Utah for any dispute arising out of this Contract or the breach thereof. Venue shall be in Salt Lake City, in the Third Judicial District Court for Salt Lake County.
3. **LAWS AND REGULATIONS:** Any and all supplies, services and equipment furnished will comply fully with all applicable Federal and State laws and regulations.
4. **RECORDS ADMINISTRATION:** The Contractor shall maintain, or supervise the maintenance of all records necessary to properly account for the payments made to the Contractor for costs authorized by this contract. These records shall be retained by the Contractor for at least four years after the contract terminates, or until all audits initiated within the four years, have been completed, whichever is later. The Contractor agrees to allow State and Federal auditors, and State Agency Staff, access to all the records to this contract, for audit and inspection, and monitoring of services. Such access will be during normal business hours, or by appointment.
5. **CONFLICT OF INTEREST:** Contractor represents that none of its officers or employees are officers or employees of the State of Utah, unless disclosure has been made in accordance with 67-16-8, Utah Code Annotated, 1953, as amended.
6. **CONTRACTOR, AN INDEPENDENT CONTRACTOR:** The Contractor shall be an independent contractor, and as such, shall have no authorization, express or implied, to bind the State to any agreements, settlements, liability, or understanding whatsoever, and agrees not to perform any acts as agent for the State, except as herein expressly set forth. Compensation stated herein shall be the total amount payable to the Contractor by the State. The Contractor shall be responsible for the payment of all income tax and social security amounts due as a result of payments received from the State for these contract services. Persons employed by the State and acting under the direction of the State shall not be deemed to be employees or agents of the Contractor.
7. **INDEMNITY CLAUSE:** The Contractor agrees to indemnify, save harmless, and release the State OF UTAH, and all its officers, agents, volunteers, and employees from and against any and all loss, damages, injury, liability, suits, and proceedings arising out of the performance of this contract which are caused in whole or in part by the negligence of the Contractor's officers, agents, volunteers, or employees, but not for claims arising from the State's sole negligence.
8. **EQUAL OPPORTUNITY CLAUSE:** The Contractor agrees to abide by the provisions of Title VI and VII of the Civil Rights Act of 1964 (42USC 2000e) which prohibits discrimination against any employee or applicant for employment or any applicant or recipient of services, on the basis of race, religion, color, or national origin; and further agrees to abide by Executive Order No. 11246, as amended, which prohibits discrimination on the basis of sex; 45 CFR 90 which prohibits discrimination on the basis of age; and Section 504 of the Rehabilitation Act of 1973, or the Americans with Disabilities Act of 1990 which prohibits discrimination on the basis of disabilities. Also, the Contractor agrees to abide by Utah's Executive Order, dated March 17, 1993, which prohibits sexual harassment in the work place.
9. **SEPARABILITY CLAUSE:** A declaration by any court, or any other binding legal source, that any provision of this contract is illegal and void shall not affect the legality and enforceability of any other provision of this contract, unless the provisions are mutually dependent.
10. **RENEGOTIATION OR MODIFICATIONS:** This contract may be amended, modified, or supplemented only by written amendment to the contract, executed by the same persons or by persons holding the same position as persons who signed the original agreement on behalf of the parties hereto, and attached to the original signed copy of the contract.
11. **DEBARMENT:** The Contractor certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction (contract), by any governmental department or agency. If the Contractor cannot certify this statement, attach a written explanation for review by the State. The Contractor must notify the State Director of Purchasing within 30 days if debarred by any governmental entity during the Contract period.
12. **TERMINATION:** Unless otherwise stated in the Special Terms and Conditions, this contract may be terminated, with cause by either party, in advance of the specified termination date, upon written notice being given by the other party. The party in violation will be given ten (10) working days after notification to correct and cease the violations, after which the contract may be terminated for cause. This contract may be terminated without cause, in advance of the specified expiration date, by either party, upon 90 days prior written notice being given the other party. On termination of this contract, all accounts and payments will be processed according to the financial arrangements set forth herein for approved services rendered to date of termination.
13. **NONAPPROPRIATION OF FUNDS:** The Contractor acknowledges that the State cannot contract for the payment of funds not yet appropriated by the Utah State Legislature. If funding to the State is reduced due to an order by the Legislature or the Governor, or is required by State law, or if federal funding (when applicable) is not provided, the State may terminate this contract or proportionately reduce the services and purchase obligations and the amount due from the State upon 30 days written notice. In the case that funds are not appropriated or are reduced, the State will reimburse Contractor for products delivered or services performed through the date of cancellation or reduction, and the State will not be liable for any future commitments, penalties, or liquidated damages.
14. **SALES TAX EXEMPTION:** The State of Utah's sales and use tax exemption number is E33399. The tangible personal property or services being purchased are being paid from State funds and used in the exercise of that entity's essential functions. If the items being purchased are construction materials, they will be converted into real property by employees of this government entity, unless otherwise stated in the contract.
15. **WARRANTY:** The contractor agrees to warrant and assume responsibility for all products (including hardware, firmware, and/or software products) that it licenses, contracts, or sells to the State of Utah under this contract for a period of one year, unless otherwise specified and mutually agreed upon elsewhere in this contract. The contractor (seller) acknowledges that all warranties granted to the buyer by the Uniform Commercial Code of the State of Utah apply to this contract. Product liability disclaimers and/or warranty disclaimers from the seller are not applicable to this contract unless otherwise specified and mutually agreed upon elsewhere in this contract. In general, the contractor warrants that: (1) the product will do what the salesperson said it would do, (2) the product will live up to all specific claims that the manufacturer makes

in their advertisements, (3) the product will be suitable for the ordinary purposes for which such product is used, (4) the product will be suitable for any special purposes that the State has relied on the contractor's skill or judgment to consider when it advised the State about the product, (5) the product has been properly designed and manufactured, and (6) the product is free of significant defects or unusual problems about which the State has not been warned. Remedies available to the State include the following: The contractor will repair or replace (at no charge to the State) the product whose nonconformance is discovered and made known to the contractor in writing. If the repaired and/or replaced product proves to be inadequate, or fails of its essential purpose, the contractor will refund the full amount of any payments that have been made. Nothing in this warranty will be construed to limit any rights or remedies the State of Utah may otherwise have under this contract.

16. **PUBLIC INFORMATION:** Contractor agrees that the contract will be a public document, and may be available for distribution. and Contractor gives the State express permission to make copies of the contract and/or of the response to the solicitation in accordance with the State of Utah Government Records Access and Management Act. The permission to make copies as noted will take precedence over any statements of confidentiality, proprietary information, copyright information, or similar notation.
17. **DELIVERY:** Unless otherwise specified in this contract, all deliveries will be F.O.B. destination with all transportation and handling charges paid by the Contractor. Responsibility and liability for loss or damage will remain with Contractor until final inspection and acceptance when responsibility will pass to the State except as to latent defects, fraud and Contractor's warranty obligations.
18. **ORDERING AND INVOICING:** All orders will be shipped promptly in accordance with the delivery schedule. The Contractor will promptly submit invoices (within 30 days of shipment or delivery of services) to the State. The State contract number and/or the agency purchase order number shall be listed on all invoices, freight tickets, and correspondence relating to the contract order. The prices paid by the State will be those prices listed in the contract. The State has the right to adjust or return any invoice reflecting incorrect pricing.
19. **PAYMENT:** Payments are normally made within 30 days following the date the order is delivered or the date a correct invoice is received, whichever is later. All payments to the Contractor will be remitted by mail unless paid by the State of Utah's Purchasing Card.
20. **PATENTS, COPYRIGHTS, ETC.:** The Contractor will release, indemnify and hold the State, its officers, agents and employees harmless from liability of any kind or nature, including the Contractor's use of any copyrighted or un-copyrighted composition, secret process, patented or un-patented invention, article or appliance furnished or used in the performance of this contract.
21. **ASSIGNMENT/SUBCONTRACT:** Contractor will not assign, sell, transfer, subcontract or sublet rights, or delegate responsibilities under this contract, in whole or in part, without the prior written approval of the State.
22. **DEFAULT AND REMEDIES:** Any of the following events will constitute cause for the State to declare Contractor in default of the contract: 1. Nonperformance of contractual requirements; 2. A material breach of any term or condition of this contract. The State will issue a written notice of default providing a ten (10) day period in which Contractor will have an opportunity to cure. Time allowed for cure will not diminish or eliminate Contractor's liability for damages. If the default remains, after Contractor has been provided the opportunity to cure, the State may do one or more of the following: 1. Exercise any remedy provided by law; 2. Terminate this contract and any related contracts or portions thereof; 3. Impose liquidated damages, if liquidated damages are listed in the contract; 4. Suspend Contractor from receiving future solicitations.
23. **FORCE MAJEURE:** Neither party to this contract will be held responsible for delay or default caused by fire, riot, acts of God and/or war which is beyond that party's reasonable control. The State may terminate this contract after determining such delay or default will reasonably prevent successful performance of the contract.
24. **PROCUREMENT ETHICS:** The Contractor understands that a person who is interested in any way in the sale of any supplies, services, construction, or insurance to the State of Utah is violating the law if the person gives or offers to give any compensation, gratuity, contribution, loan or reward, or any promise thereof to any person acting as a procurement officer on behalf of the State, or who in any official capacity participates in the procurement of such supplies, services, construction, or insurance, whether it is given for their own use or for the use or benefit of any other person or organization (63-56-73, Utah Code Annotated, 1953, as amended).
25. **CONFLICT OF TERMS:** Contractor Terms and Conditions that apply must be in writing and attached to the contract. No other Terms and Conditions will apply to this contract including terms listed or referenced on a Contractor's website, terms listed in a Contractor quotation/sales order, etc. In the event of any conflict in the contract terms and conditions, the order of precedence shall be: 1. State Standard Terms and Conditions; 2. State Special Terms and Conditions; 3. Contractor Terms and Conditions.

(Revision date: Nov 21, 2003)

## ATTACHMENT B- SCOPE OF WORK

### Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

#### 1.0 SCOPE OF WORK FOR INSTALLATION, RELOCATION, AND REPAIR OF THE ATMS DEVICES

This contract is for the Installation, Relocation, and Repairs of the ATMS Devices at various locations for the Utah Department of Transportation. The locations for the work will include UDOT Regions 1, 2, 3 and 4. Work in Region 1 will cover Davis, Weber, Box Elder and Cache counties. Work in Region 2 will cover Tooele, Salt Lake and Summit counties. Work in Region 3 will cover Utah County. Work in Region 4 will cover the cities of Price, Moab, Richfield, Cedar City and St. George. Wages must conform to Bacon and Davis wage rates.

#### 1.2 Installation of ATMS Devices

A general description of the work under this contract is as follows:

##### 1.2.1 Installation of Ramp Meter

Contractor shall supply labor, materials, picking up state furnished item, tools and equipment to install a Ramp Meter. The ramp meter shall included the Mast Arm Signal Pole, Mast Arm, LED ball module, detection loops, ATMS cabinet and other item specified in the plans. The Region Project Manager will supply the project installation plans.

##### 1.2.2 Installation of Closed Circuit Television (CCTV)

Contractor shall supply labor, materials, pick up state furnished item, tools and equipment to install a CCTV. The CCTV shall include the CCTV Assemble system, CCTV pole, ATMS cabinet and other item specified in the plans. The Region Project Manager will supply the project installation plans.

##### 1.2.3 Installation of Traffic Monitoring Station (TMS)

Contractor shall supply labor, materials, pick up state furnished item, tools and equipment to install a TMS. The TMS shall include detection loops, ATMS cabinet and other item specified in the plans. The Region Project Manager will supply the project installation plans.

##### 1.2.4 Installation of Road Weather Information System (RWIS) sites. Contractor shall supply labor, materials, pick up state furnished item, tools and equipment to install a RWIS. The RWIS site shall include cabinet, tower, chain link fence, and other item specified in the plans. The Region Project Manager will supply the project installation plans

##### 1.2.5 Miscellaneous Work as directed may include trenching, conduit repair, and individual equipment use.

##### 1.2.6 All electrical work shall be done or supervised by a Utah State Certified Journeyman Electrician. Preference shall be given in the Technical Qualification/Certification portion of the selection process for those personnel with IMSA Level 2 certification. Copies of journeymen and IMSA certification shall be submitted with bid submittal.

##### 1.2.7 Flagger and Traffic Control Maintainer certification shall be submitted with bid submittal.

#### 1.3.1 Scheduled Work

The Contractor shall submit a starting date and estimated time to complete work when the cost estimate is submitted. See section 3.1.1 "Execution" for additional information.

##### 1.3.1.1 Work will be ordered by State on an as needed bases.

## ATTACHMENT B- SCOPE OF WORK

### Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

#### 1.3.2.1 Standard Specifications Include:

- 1.3.2.1.1 Section 01554 Traffic Control
- 1.3.2.1.2 Section 01571 Temporary Environmental Controls
- 1.3.2.1.3 Section 02056 Common fill
- 1.3.2.1.4 Section 02061 Select Aggregate.
- 1.3.2.1.5 Section 02075 Geotextiles
- 1.3.2.1.6 Section 02078 Asphalt Overlay Fabric
- 1.3.2.1.7 Section 02221 Removal Structure and Obstruction
- 1.3.2.1.8 Section 02222 Site Demolition – Concrete
- 1.3.2.1.9 Section 02231 Site Clearing and Grubbing
- 1.3.2.1.10 Section 02312 Grading for Landscapes
- 1.3.2.1.11 Section 02316 Road Excavation
- 1.3.2.1.12 Section 02376 Erosion Control Blankets/channel Liners
- 1.3.2.1.13 Section 02741 Hot Mix Asphalt – Bike and Pedestrian Paths.
- 1.3.2.1.14 Section 02752 Portland Cement Concrete Pavement
- 1.3.2.1.15 Section 02771 Curbs, Gutters, Driveways, Pedestrian Access Ramps, and Plowable End Sections
- 1.3.2.1.16 Section 02776 Concrete Sidewalk, Median filler, and Flatwork.
- 1.3.2.1.17 Section 02821 Chain Link Fencing and Gates
- 1.3.2.1.18 Section 02891 Traffic Signs
- 1.3.2.1.19 Section 02892 Traffic Signal
- 1.3.2.1.20 Section 02922 Seed, Turf Seed, and Turf Sod.
- 1.3.2.1.21 Section 02938 Tree Pruning
- 1.3.2.1.22 Section 03575 Flowable Fill
- 1.3.2.1.23 Section 03934 Structural Pothole Patching
- 1.3.2.1.24 Section 13551 General ATMS Requirements
- 1.3.2.1.25 Section 13553 ATMS Conduit;
- 1.3.2.1.26 Section 13554 Polymer Concrete Junction Box
- 1.3.2.1.27 Section 13556 Closed Circuit Television (CCTV) Assembly
- 1.3.2.1.28 Section 13592 Installation of State Furnished RWIS-ES
- 1.3.2.1.29 Section 13593 Weigh In Motion System
- 1.3.2.1.30 Section 13594 Fiber Optic Communication
- 1.3.2.1.31 Section 16525 Highway Lighting
- 1.3.2.1.32 Section 16526 Electrical Work Bridges

These specifications are found under Project Development on the UDOT Web site ([www.udot.utah.gov](http://www.udot.utah.gov)) .

#### Special Provisions

- 1.3.2.2.1 Solar Power Battery Back Up- Exhibit -I
- 1.3.2.2.2 Special Provision 13553S ATMS Conduit – Exhibit -II
- 1.3.2.2.3 Special Provision 0223S ATMS Power Service – Exhibit - III

1.4 Estimated quantities included and prices are in Attachment B, Scope of Work. Payment shall be based on actual quantities placed. Any increase or decrease in quantities shall not be grounds for adjusting the unit bid prices.

#### 1.5 UDOT Contact Information

##### 1.5.1 UDOT Contact Personnel

###### Contract Issues

Joseph C. McBride  
2060 South 2760 West  
Salt Lake City, Utah 84104-4592  
Phone (801) 887-3716  
Fax (801) 887-3797

Scope of Work

## ATTACHMENT B- SCOPE OF WORK

### Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

Cell (801) 514-9781  
E-Mail [joemcbride@utah.gov](mailto:joemcbride@utah.gov)

#### General Construction Issues and TOC Field Operation Manager

Bill Butterfield  
2060 South 2760 West  
Salt Lake City, Utah 84104-4592  
Phone (801) 887-3748  
Fax (801) 887-3797  
Cell (801) 514-9748  
E-Mail [wbutterfield@utah.gov](mailto:wbutterfield@utah.gov)

#### Region 1 Project Manager

Sam Sherman  
2060 South 2760 West  
Salt Lake City, Utah 84104-4592  
Phone (801) 887-3744  
Fax (801) 887-3797  
Cell (801) 330-2683  
E-Mail [ssherman@utah.gov](mailto:ssherman@utah.gov)

#### Region 2 Project Manager

Mark Parry  
2060 South 2760 West  
Salt Lake City, Utah 84104-4592  
Phone (801) 887-3768  
Fax (801) 887-3797  
Cell (801) 514-9784  
E-Mail [moparry@utah.gov](mailto:moparry@utah.gov)

#### Region 3 and 4 Project Manager

Brad Cameron  
2060 South 2760 West  
Salt Lake City, Utah 84104-4592  
Phone (801) 964-4573  
Fax (801) 887-3797  
Cell (801) 514-5722  
E-Mail [bcameron@utah.gov](mailto:bcameron@utah.gov)

#### 1.5.1.8 Regional Traffic Control Contacts to Approve Traffic Control Plan

##### Region 1

Darin Duersch  
Phone (801) 620-1619  
Fax (801) 620-1665  
E-Mail [dduersch@utah.gov](mailto:dduersch@utah.gov)

##### Region 2

Mack Christensen  
Phone (801) 975-4827  
Fax (801) 975-4811  
E-Mail [mackchristensen@utah.gov](mailto:mackchristensen@utah.gov)

##### Region 3

Doug Bassett  
Phone (801) 227-8061  
Fax (801) 227-8049

Scope of Work

## ATTACHMENT B- SCOPE OF WORK

### Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

E-Mail [dbasset@utah.gov](mailto:dbasset@utah.gov)

Region 4

Troy Torgerson

Phone (435) 893-4707

FAX (435) 896-6458

E-Mail [ttorgerson@utah.gov](mailto:ttorgerson@utah.gov)

1.6 The contractor shall comply with the policies, procedures and safety standards for traffic control plans and the application of traffic control devices as set forth in the "Manual on Uniform Traffic Control Devices" (see section 8.1 for reference material) during all work being conducted. Certified flag persons are required. Contractor must provide proof of certification of trained traffic-control personnel.

#### 1.7 UDOT Safety Regulations

Contractor shall continually meet all UDOT work zone and safety requirements including the wearing of protective clothing (hard hats, retro-reflective orange and safety-toed shoes). Properly maintained equipment, along with certified and trained operators, are required. This information is found in OSHA CFR196.651 (D).

1.8 The Contractor shall abide by UDOT's Regulations for the Accommodation of Utilities and the Control and Protection of Highway Rights-Of-Way. Obtain a copy at [www.dot.utah.gov/esd/Manuals/Utilities/utilities.htm](http://www.dot.utah.gov/esd/Manuals/Utilities/utilities.htm). The contractor will also follow Blue Stake procedures prior to digging.

## 2.0 PRODUCTS

2.1 Price list is part of (Attachment B- Pricing)

2.2 Measurement and Payment Scope Of work (Attachment B-)

2.3 Prices includes cost of mobilization.

## 3.0 EXECUTION

### 3.1 Request for Work

#### 3.1.1 Estimates

Written estimates will be required for each requested job for approximation purposes only. Payment will be based on actual work completed. Any increase or decrease in quantities will not be grounds for adjusting the unit bid prices. Estimates shall be in good faith for labor and materials required to complete a work order in a timely manner. Estimates will be used to ensure an understanding between State and the Contractor. Estimates will not be strictly binding to the Contractor if unanticipated construction conditions impact the work. Unanticipated construction conditions are items such as weather conditions, delays in delivery of materials, and utility connection delays.

#### 3.1.2 Contractor's Written Estimate

Estimate shall include a form with space for the following items:

Description of Work:

Estimate:

Date to begin Work:

Estimated time to complete Work:

Estimate Approved by:

Work Authorized by:

For Utah Department of Transportation

Date:

Notification of Region Traffic Engineer

Date:

Scope of Work

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## ATTACHMENT B- SCOPE OF WOF

### Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

#### 4.0 AUTHORIZATION OF WORK

##### 4.1 Approval of Estimates

Approval of estimate for work will occur when Region Project Managers signs and returns the estimate with a work-order number identified with an expected completion date. No job shall be started without written approval by State. If the State does not agree with the estimate, State will negotiate the price of the scope of work with the Contractor.

##### 4.2 Work Order Inspection and Acceptance

Region Project Manager or designated person will perform inspection of the repair work.

The inspector shall conduct an inspection upon receiving notice from the Contractor of work-order completion. If the work order is satisfactorily completed, the inspection shall constitute the final inspection. The inspector will provide notification to the Contractor in writing indicating the job number and date the inspection was accepted.

##### 4.3 Work Not Accepted

If after an inspection of repair work, Region Project Manager finds any unsatisfactory work, the Contractor will have two (2) business days to rectify the unsatisfactory work.

4.4 Upon correction of the work, another inspection will be conducted. If the additional inspection is satisfactory with the non-accepted work corrected, this will constitute the final inspection.

4.5 When work has been satisfactorily completed, State will provide notification to the Contractor in writing indicating the job number and date the inspection was accepted.

##### 4.6 Contractor Work in UDOT Right of Way

Contractor shall notify Region Project Manager of any work being done for clients other than UDOT in UDOT's Right of Way.

##### 4.7 Discovery of Historic, Archeological or Paleontological Objects

4.7.1 Immediately suspend construction operations in the vicinity of the discovery if a suspected historic, archeological or Paleontological item, feature, prehistoric dwelling site or artifacts of historic or archeological significance are encountered.

4.7.2 Verbally notify Region Project Manager of the nature and exact location of the findings.

4.7.3 Region Project Manager contacts the State archeological authorities who will determine their disposition.

4.7.4 Protect the discovered objects and provide written confirmation of the discovery to Region Project Manager within two (2) calendar days.

4.7.5 Region Project Manager keeps Contractor informed concerning the status of restriction.

4.7.6 The time necessary for Department to handle the discovered item, feature or site is variable and dependent on the nature and condition of the discovery.

4.7.7 Expect a two (2) week or more delay in the vicinity of the discovery.

4.7.8 Region Project Manager will provide written confirmation when restriction is terminated.

4.7.9 If a changed condition is approved, it will be controlled in accordance with Section 00725, article 1.4, Differing Site Conditions.



Installation, Relocation, and Repairs of  
Advanced Traffic Management System (ATMS) Devices

5.0 TRAFFIC CONTROL PROCEDURE

5.1 Approval of Traffic Control Plan

5.1.1 After Approval of Estimate.

The appropriate Region Traffic Engineer will determine the restricted hours on an individual basis for work scheduled. Contractor will be restricted from working in travel lanes in the direction of rush hour traffic during peak commute times.

Region 1 Traffic Engineer Telephone Number: 801-620-1600

Region 2 Traffic Engineer Telephone Number: 801-975-9700

Region 3 Traffic Engineer Telephone Number: 801-227-8000

Region 4 Traffic Engineer Telephone Number: 435-893-4799

5.2 Installation of Traffic Control

5.2.1 Traffic control shall be the responsibility of Contractor. Contractor shall design and have the design signed and approved by the Region Traffic Engineer. The Contractor may show the traffic control plan on UDOT's traffic control standard drawings. Standard drawing TC13, TC 2B, and TC9 may be found at <http://www.udot.utah.gov/index.php/m=c/tid=646> Contractor must notify Regional Project Managers a minimum of fourteen (14) business days prior to beginning of work.

5.3 TRAFFIC CONTROL MAINTAINER AND TRAFFIC CONTROL DEVICES

Contractor will comply with the policies, procedures and safety standards for traffic control plans and the application of traffic control devices as set forth in the "Manual on Uniform Traffic Control Devices" or as amended by the Region Traffic Engineer. Certified flag persons are required. Contractor must provide proof of certification of trained traffic-control maintainer.

5.4 SAFETY REGULATION

Contractor shall continually meet all UDOT work zone and safety requirements including, but not limited to, the wearing of protective clothing (hard hats, retro-reflective orange and safety-toed shoes). Properly maintained equipment, along with certified and trained operators, are required. This information is found in OSHA CFR196.651 (D).

5.5 SUB-CONTRACTOR

Contractor shall not sub-contract more than 20 percent of the work.

5.6 RIGHTS-OF-WAY

The Contractor shall abide by UDOT's Regulations for the Accommodation of Utilities and the Control and Protection of Highway Rights-Of-Way. Obtain a copy at [www.dot.utah.gov/esd/Manuals/Utilities/utilities.htm](http://www.dot.utah.gov/esd/Manuals/Utilities/utilities.htm).

5.7 ELECTRICAL WORK

All electrical work shall be done or supervised by a Utah State Certified Journeyman Electrician. Copies of journeymen and IMSA level 2 certification shall be provided.

5.8 PAYMENT PROCEDURE

5.9 Contractor's invoices for work shall be submitted monthly. If the invoice contains more than one work order, the amount of each work order shall be identified separately.

6.0 No invoice shall be processed until all pertinent and current documentation is supplied. Invoices shall

## ATTACHMENT B- SCOPE OF WORK

### Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

indicate the following:

Work-order number (referenced to written estimate and authorization)  
Location and date of the work  
Tabulation of contract pay-item quantities and contract unit prices  
All required documentation as specified within pay-item descriptions  
Contract number

#### 6.1 AUDITS

6.2 The Department shall conduct regular audits on the cost records of this contract.

6.3 A copy of the "Manual on Uniform Traffic Control Devices, Latest Edition" (MUTCD) may be purchased from UDOT's Traffic and Safety Division.

6.4 A copy of "Instruction to Flaggers Handbook" may be purchased from UDOT's Traffic and Safety Division.

6.5 UDOT Standard Specifications section may be found under Project Development on UDOT's Web site at [www.udot.utah.gov](http://www.udot.utah.gov).

# ATTACHMENT B- SCOPE OF WOF

## Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

### MEASURE AND PAYMENTS

The Department will measure and pay based on each of the following criteria.

Payment is contingent upon acceptance by the Department.

Items are listed by Specification and what's to be included in prices:

Item Number	Item Name	Unit of Measurement and Payment
Additional information		
<b>1</b>	<b>Traffic Control for New Installation Beyond the Shoulder</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required for traffic control when work is beyond the shoulder. Plans to be on an 8 1/2 x 11 inch sheet of paper showing modification of standard drawings. Traffic control plans must be submitted and approved by the Region Traffic Engineer. Plans will be submitted five business days prior to the beginning of work. See MUTCD page 6H-6 and 6H-7 "Work Beyond the Shoulder" for a typical application.	
<b>2</b>	<b>Traffic Control for Work within the Shoulder</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required for traffic control when work is a shoulder operation. Plans to be on an 8 1/2 x 11 inch sheet of paper showing modification of standard drawings. Traffic control plans must be submitted and approved by the Region Traffic Engineer. Plans will be submitted five business days prior to the beginning of work. See UDOT's standard drawing TC13 for a typical application	
<b>3</b>	<b>Traffic Control for Single Lane Closure</b>	<b>Each</b>
	. Includes all mobilization, materials, labor, workmanship, and equipment required for traffic control when work requires the closure of a single traffic lane. Plans to be on an 8 1/2 x 11 inch sheet of paper showing modification of standard drawings. The work zone shall be a maximum of 500 feet. Traffic control plans must be submitted and approved by the Region Traffic Engineer. Plans will be submitted five business days prior to the beginning of work. See UDOT's standard drawing TC2B for a typical application.	
<b>4</b>	<b>Traffic Control for Two Lane Closure</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required for traffic control when work requires the closure of two traffic lanes. Plans may be on an 8 1/2 x 11 inch sheet of paper showing modification of standard drawings. The work zone shall be a maximum of 500 feet. Traffic control plans must be submitted and approved by the Region Traffic Engineer. Plans will be submitted five business days prior to the beginning of work. See UDOT's standard drawing TC9 for a typical application.	
<b>5</b>	<b>Traffic Control Maintainer</b>	<b>Hour</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required for Traffic Control Maintainer. See UDOT specification sections 01554 Traffic Control.	
<b>6</b>	<b>Flagging (State Projects)</b>	<b>Hour</b>
	<p>A. Increase or decrease in the estimated quantities for Flagging is not cause for a unit price adjustment.</p> <p>B. Unit bid price for "Flagging" is from \$6.00 per hour minimum to \$16.00 per hour maximum. Department will adjust any bid proposal for "Flagging" less than \$6.00 per hour up to this minimum amount, and any bid proposal greater than \$16.00 per hour down to this maximum amount by the Department.</p> <p>The Department will consider the adjusted bid item for flagging the Contractor's bid for the item "Flagging", recalculate the Contractor's bid, and use the revised total to compare with other bids to determine the low bid for award.</p> <p>2. The Department will pay the adjusted unit price for flagging.</p> <p>See UDOT's specification sections 01554 Traffic Control and standard drawing TC14 for a typical application</p>	

# ATTACHMENT B- SCOPE OF WORK

## Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

<b>7</b>	<b>Flagging (Federal Projects)</b>	<b>Hour</b>
	<p>1. An increase or decrease in the estimated quantities for Flagging is not cause for a unit price adjustment.</p> <p>2. Unit bid price for "Flagging" is from \$8.25 per hour minimum to \$16.00 per hour maximum.</p> <p>3. The Department will adjust any bid proposal for "Flagging" less than \$8.25 per hour up to this minimum amount, and any bid proposal greater than \$16.00 per hour down to this maximum amount.</p> <p>4. The Department will consider the adjusted bid item for flagging the Contractor's bid for the item "Flagging", recalculate the Contractor's bid, and use the revised total to compare with other bids to determine the low bid for award.</p> <p>The Department will pay the adjust unit price for flagging.</p> <p>See UDOT's specification section 01554 Traffic Control and standard drawing TC14 for a typical application</p>	
<b>8</b>	<b>Construction Sign</b>	<b>Sq ft/day</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required for a Construction Sign. See UDOT's specification section 01554 Traffic Control and standard drawing TC1B for a typical application.	
<b>9</b>	<b>Plastic Barrels</b>	<b>Dev/day</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to Place plastic barrel or plastic drums on the project. See UDOT's specification section 01554 Traffic Control standard drawing TC1A for a typical application	
<b>10</b>	<b>Barricades Type I</b>	<b>Dev/day</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place barricades type 1 on the project. See UDOT's specification section 01554 Traffic Control and standard drawing TC1A for a typical application.	
<b>11</b>	<b>Barricades Type II</b>	<b>Dev/day</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place barricades type II on the project. See UDOT's specification section 01554 Traffic Control and standard drawing TC1A for a typical application	
<b>12</b>	<b>Barricades Type III</b>	<b>Dev/day</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place barricades type III on the project. See UDOT's specification section 01554 Traffic Control and standard drawing TC1A for a typical application	
<b>13</b>	<b>Vertical Panel</b>	<b>Dev/day</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place vertical panel on the project. See UDOT's specification section 01554 Traffic Control and standard drawing TC1A for a typical application	
<b>14</b>	<b>Check Dam</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place Check Dam on project. See UDOT's specification sections 01571 Temporary Environmental Controls and standard drawing EN1, EN2, EN3, EN4, and EN5 for a typical application.	
<b>15</b>	<b>Silt Fence Slope Barrier</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place Silt Fence Slope Barrier on project. See UDOT's specification sections 01571 Temporary Environmental Controls and standard drawing EN1, EN2, EN3, EN4, and EN5 for a typical application.	
<b>16</b>	<b>Slope Drain</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place Slope Drain on project. See UDOT's specification sections 01571 Temporary Environmental Controls and standard drawing EN1, EN2, EN3, EN4, and EN5 for a typical application.	
<b>17</b>	<b>Drop-inlet Barrier</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place Drop-inlet Barrier on project. See UDOT's specification sections 01571 Temporary Environmental Controls and standard drawing EN1, EN2, EN3, EN4, and EN5 for a typical application.	

# ATTACHMENT B- SCOPE OF WORK

## Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

<b>18</b>	<b>Sediment Trap</b>	<b>Cu ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place Sediment Trap on project. See UDOT's specification sections 01571 Temporary Environmental Controls and standard drawing EN1, EN2, EN3, EN4, and EN5 for a typical application.	
<b>19</b>	<b>Temporary Berm</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place Temporary Berm on project. See UDOT's specification sections 01571 Temporary Environmental Controls and standard drawing EN1, EN2, EN3, EN4, and EN5 for a typical application.	
<b>20</b>	<b>Curb Inlet Barrier</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place Curb Inlet Barrier on project. See UDOT's specification sections 01571 Temporary Environmental Controls and standard drawing EN1, EN2, EN3, EN4, and EN5 for a typical application.	
<b>21</b>	<b>Sand</b>	<b>Ton</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place sand on project. See UDOT specification sections 02056 Common fill.	
<b>22</b>	<b>Free Draining Granular Backfill Borrow</b>	<b>Cu yd</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place free draining granular backfill borrow on project. See UDOT specification sections 02061 Select Aggregate.	
<b>23</b>	<b>Geotextiles - Weed barrier</b>	<b>Sq yd</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place Geotextiles – weed barrier on project. See UDOT specification sections 02075 Geotextiles	
<b>24</b>	<b>Asphalt Fabric</b>	<b>Sq yd</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to place asphalt fabric on project. See UDOT specification sections 02078 Asphalt Overlay Fabric.	
<b>25</b>	<b>Remove Manhole</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the removal of manholes on project. The manholes are for large fiber optic vaults. See UDOT specification sections 02221 Removal structure and Obstruction.	
<b>26</b>	<b>Remove Concrete Sidewalk</b>	<b>Sq yd</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the removal of concrete sidewalk on project. See UDOT specification sections 02222 Site Demolition – Concrete	
<b>27</b>	<b>Remove Concrete Driveway</b>	<b>Sq yd</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the removal of concrete driveway on project. See UDOT specification sections 02222 Site Demolition – Concrete	
<b>28</b>	<b>Remove Concrete Pavement</b>	<b>Sq yd</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the removal of concrete pavement on project. See UDOT specification sections 02222 Site Demolition – Concrete	
<b>29</b>	<b>Removal of Asphalt Pavement</b>	<b>Sq yd</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the removal of asphalt pavement on project. See UDOT specification sections 02316 Road Excavation.	
<b>30</b>	<b>Site Clearing and Grubbing</b>	<b>Sq yd</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in Site Clearing and Grubbing on project. See UDOT specification sections 02231 Site Clearing and Grubbing	
<b>31</b>	<b>Landscape Grading</b>	<b>Sq yd</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in landscape grading on project. See UDOT specification sections 02312 Grading for Landscapes.	
<b>32</b>	<b>Erosion Control Blanket</b>	<b>Sq yd</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of erosion control blanket on project. See UDOT specification sections 02376 Erosion Control blankets/Channel Liners.	

ATTACHMENT B- SCOPE OF WORK

Installation, Relocation, and Repairs of  
Advanced Traffic Management System (ATMS) Devices

33		<b>Portland Cement Concrete Pavement 7 inch Thick</b>	<b>Sq ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Portland Cement Concrete Pavement 7 inch thick on project. See UDOT specification sections 02752 Portland Cement Concrete Pavement.		
34		<b>Concrete Curb and gutter Type B1</b>	<b>Lineal Foot</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Concrete Curb and gutter Type B1 on project. See UDOT specification sections 02771 Curbs, Gutters, Driveways, Pedestrian Access Ramps, and Plowable End Sections.		
35		<b>Pedestrian Access Ramp Type A</b>	<b>Sq ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Pedestrian Access Ramp type A on project. See UDOT specification sections 02752 Portland Cement Concrete Pavement.		
36		<b>Concrete Sidewalk</b>	<b>Sq ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Concrete Sidewalk on project. See UDOT specification sections 02776 Concrete Sidewalk, Median filler, and Flatwork.		
37		<b>Concrete Flatwork 6 inch thick</b>	<b>Sq yd</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Concrete Flatwork 6 inch thick on project. See UDOT specification sections 02776 Concrete Sidewalk, Median filler, and Flatwork.		
38		<b>Hot Mix Asphalt</b>	<b>Sq yd</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Hot Mix Asphalt on project. See UDOT specification sections 02741, Hot Mix Asphalt.		
39		<b>Drill Seed</b>	<b>Acres</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Drill Seed on project. See UDOT specification sections 02922 Seed, Turf Seed, and Turf Sod.		
40		<b>Turf Seed</b>	<b>1000 sq ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Turf Seed on project. See UDOT specification sections 02922 Seed, Turf Seed, and Turf Sod.		
41		<b>Broadcast Seed</b>	<b>Acres</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Broadcast Seed on project. See UDOT specification sections 02922 Seed, Turf Seed, and Turf Sod.		
42		<b>Broadcast Seed</b>	<b>1000 sq ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Broadcast Seed on project. See UDOT specification sections 02922 Seed, Turf Seed, and Turf Sod.		
43		<b>Broadcast Turf Seed</b>	<b>1000 sq ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Broadcast Turf Seed on project. See UDOT specification sections 02922 Seed, Turf Seed, and Turf Sod.		
44		<b>Turf Sod</b>	<b>Sq ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Turf Sod on project. See UDOT specification sections 02922 Seed, Turf Seed, and Turf Sod.		
45		<b>Tree Pruning</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in Tree Pruning on project. See UDOT specification sections 02938 Tree Pruning.		
46		<b>Mast Arm Signal Pole (50 ft to 65 ft) - State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the placement of Mast Arm Signal Pole (50 ft to 65 ft) on project. See UDOT specification sections 02892 Traffic Signal and standard drawing SL 4.		
47		<b>Mast Arm Signal Pole (50 ft to 65 ft Foundation)</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, , and equipment required in the placement of Mast Arm Signal Pole (50 ft to 65 ft) foundation on project. See UDOT specification sections 02892 Traffic Signal and standard drawing SL 4.		

# ATTACHMENT B- SCOPE OF WOF

## Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

<b>48</b>	<b>65 ft Mast Arm – State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the placement of 65 ft Mast Arm on project. . See UDOT specification sections 02892 Traffic Signal and standard drawing. SL 2.	
<b>49</b>	<b>40 Ft Light Pole Extension with 10 ft Arm – State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the placement of 40 Ft Light Pole Extension with 10 ft Arm on project. See UDOT specification sections 02892 Traffic Signal and standard drawing SL 1A and SL1B	
<b>50</b>	<b>480V Highway Luminaire– State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials and equipment required in the placement of 480V Highway Luminaire on project. See UDOT specification sections 01652 Highway Lighting..	
<b>51</b>	<b>240V Highway Luminaire– State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials and equipment required in the placement of 240V Highway Luminaire on project. See UDOT specification sections 01652 Highway Lighting.	
<b>52</b>	<b>Pedestrian Pole, State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the placement of Pedestrian Pole on project. See UDOT specification sections 02892 Traffic Signal and standard drawing SL 5 and SL 9.	
<b>53</b>	<b>Pedestrian Pole Foundation</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement pedestrian pole foundation on project. See UDOT specification sections 02892 Traffic Signal and standard drawing SL 5.	
<b>54</b>	<b>1 inch Dia. X 36 inch Anchor Bolt with Hardware</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of 1 inch Dia. X 36 inch Anchor Bolt with Hardware on project. See UDOT specification sections 02892 Traffic Signal and standard drawing SL 4, and SL 5.	
<b>55</b>	<b>1.5 inch Dia. X 54 inch Anchor Bolt with Hardware</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of 1.5 inch Dia. X 54 inch Anchor Bolt with Hardware on project. See UDOT specification sections 02892 Traffic Signal, 13556 Closed Circuit Television (CCTV) Assemble, and standard drawing SL 4, SL 5 and AT12.	
<b>56</b>	<b>2 inch Diameter Arch Bolt with Hardware</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of 2 inch Diameter Arch Bolt Set on project. See UDOT specification sections 02892 Traffic Signal and standard drawing SL 4, and SL 5.	
<b>57</b>	<b>LED Ball and Arrow Signal Module, State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the installation of LED Ball and Arrow Signal Module on project. See UDOT specification sections 02892 Traffic Signal and standard drawing SL 8.	
<b>58</b>	<b>LED Pedestrian Signal Module, State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the placement of LED Pedestrian Signal Module on project. See UDOT specification sections 02892 Traffic Signal and standard drawing SL 8 and SL 9.	
<b>59</b>	<b>Power Source, Pole Mount</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Power Source on project. See UDOT specification sections 2892 Traffic Signal and standard drawing SL6.	

# ATTACHMENT B- SCOPE OF WOF

## Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

<b>60</b>	<b>Power Source, Underground Service Pedestal</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Power Source on project. See UDOT specification sections 02892 Traffic Signal and standard drawing SL3.	
<b>61</b>	<b>Size G Cabinet Pole Mount- State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the placement of Size G Cabinet Pole Mount on project. See UDOT specification sections 02892 Traffic Signal.	
<b>62</b>	<b>Size 5 Cabinet – State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the placement of Size 5 Cabinet on project. See UDOT specification sections 02892 Traffic Signal and standard drawing. SL 10.	
<b>63</b>	<b>Size 5 Cabinet Foundation</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Size 5 Cabinet Foundation on project. See UDOT specification sections 02892 Traffic Signal and standard drawing. SL 10.	
<b>64</b>	<b>Size 6 Cabinet - State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the placement of Size 6 Cabinet on project. See UDOT specification sections 02892 Traffic Signal and standard drawing. SL 10.	
<b>65</b>	<b>Size 6 Cabinet Foundation</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Size 6 Cabinet Foundation on project. See UDOT specification sections 02892 Traffic Signal and standard drawing. SL 10.	
<b>66</b>	<b>Mast Arm Mounted Sign - State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the placement of Mast Arm Mounted Sign on project. See UDOT specification sections 02892 Traffic Signal and standard drawing. SL 2.	
<b>67</b>	<b>IMSA 51-3, 1 wire, AWG 14 gage</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install IMSA 51-3, 1 wire, AWG 14 gage, on project. See UDOT specification sections 02892 Traffic Signal	
<b>68</b>	<b>IMSA 51-7, 2 wires, AWG 14 gage</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install IMSA 51-7, 2 wires, AWG 14 gage on project. See UDOT specification sections 02892 Traffic Signal	
<b>69</b>	<b>IMSA 50-2, 2 wire, AWG 14 gage</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install IMSA 50-2, 2 wire, AWG 14 gage on project. See UDOT specification sections 02892 Traffic Signal	
<b>70</b>	<b>IMSA 20-1, 3 wire, AWG 14 gage</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install IMSA 20-1, 3 wires AWG 14 gage on project. See UDOT specification sections 02892 Traffic Signal	
<b>71</b>	<b>IMSA 20-1, 4 wire, AWG 14 gage</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install IMSA 20-1, 4 wires AWG 14 gage on project. See UDOT specification sections 02892 Traffic Signal	
<b>72</b>	<b>IMSA 20-1, 7 wire, AWG 14 gage</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install IMSA 20-1, 7 wires, Special Provision 02923S ATMS Power Service, AWG 14 gage on project. See UDOT specification sections 02892 Traffic Signal	
<b>73</b>	<b>RHH-USE-RHW, AWG 4 gage</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install RHHUSE-RHW, AWG 4 gage on project. See UDOT specification sections 02892 Traffic Signal	
<b>74</b>	<b>RHH-USE-RHW, AWG 6 gage</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install RHHUSE-RHW, 6 gage on project. See UDOT specification sections 02892 Traffic Signal	



# ATTACHMENT B- SCOPE OF WOF

## Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

75		<b>RHH-USE-RHW, AWG 8 gage</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install RHHUSE-RHW, AWG 8 gage on project. See UDOT specification sections 02892 Traffic Signal		
76		<b>Belden RG-59</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install Belden RG-59 on project. See UDOT specification sections 02892 Traffic Signal		
77		<b>Belden RG-8</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install Belden RG-8on project. See UDOT specification sections 02892 Traffic Signal		
78		<b>Belden 9913</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install Belden 9913 on project. See UDOT specification sections 02892 Traffic Signal		
79		<b>6 pair Belden AWG No. 19</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install 6 pair Belden AWG No 19on project. See UDOT specification sections 02892 Traffic Signal		
80		<b>Times LMR 600</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install Times LMR 600 on project. See UDOT specification sections 02892 Traffic Signal		
81		<b>Bare Copper Ground Wire, No. 6</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install Bare Copper Ground Wire, No. 6 on project. See UDOT specification sections 02892 Traffic Signal		
82		<b>Electrical Work Bridges</b>	<b>Linear Ft.</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install Electrical Work Bridges on project. See UDOT specification sections 16526 Electrical Work Bridges.		
83		<b>Ground Rods</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install Ground Rods on project. See UDOT specification sections 02892 Traffic Signal. 13592 Installation of State furnished RWIS-ES, 13555 ATMS cabinet, and 13554 Polymer Concert Junction Box.		
84		<b>Traffic Counting Loop Detector</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Traffic Counting Loop Detector on project. See UDOT specification sections 02892 Traffic Signal and standard drawing SL 11, and SL 12.		
85		<b>Video Detection Assemblies - State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Video Detection Assemblies on project. See UDOT specification sections 02892 Traffic Signal		
86		<b>Video Detection Controller - State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the placement of Video Detection Controller on project. See UDOT specification sections 02892 Traffic Signal		
87		<b>Video Detection Cable Assembly - State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the placement of Video Detection Cable Assembly on project. See UDOT specification sections 02892 Traffic Signal		
88		<b>Camera Mount, Video Detection with 46 inch Tube State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Camera Mount, Video Detection with 46 inch Tube on project. See UDOT specification sections 02892 Traffic Signal		
89		<b>Solar Power Battery Back Up – State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required in the placement of Solar Power Battery Back Up – State Furnished on project. See Special Provision Attachment T Solar Power Battery Back Up		

# ATTACHMENT B- SCOPE OF WOT

## Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

<b>90</b>		<b>Wood Pole 35 ft – State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials and equipment required in the placement of Wood Pole 35 ft on project. See UDOT specification sections 13551 General ATMS Requirements, and 13556 Closed Circuit Television (CCTV) Assembly.		
<b>91</b>		<b>Flowable Fill</b>	<b>Cu yd</b>
	Includes all mobilization, material, labor, workmanship, and equipment required to fill the remainder of the trench between the 3 inches of flowable backfill above the conduit and up to the paved surface. See UDOT specification sections 03575 Flowable Fill.		
<b>92</b>		<b>Pothole Patching – Concrete</b>	<b>Sq ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in placement of Pothole Patching – Concrete on project. See UDOT specification sections 03934 Structural Pothole Patching.		
<b>93</b>		<b>Pothole Patching – Asphalt</b>	<b>Sq ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in placement of Pothole Patching – Concrete on project. See UDOT specification sections 02741 Hot Mix Asphalt – Bike and Pedestrian Paths.		
<b>94</b>		<b>2 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install conduit. Includes all incidental items, such as trenching, backfill, flowable fill 3 inches above the conduit, protection of area prior to final layer, warning tape, locate wire, pull rope, bend sections, couplings, duct seal, bushings, adapters, and all other materials and labor necessary to complete installations. Includes all conduits in trench. See UDOT Special Provision 13553S ATMS Conduit and standard drawing AT 1, and AT 6.		
<b>95</b>		<b>2 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install conduit. Includes all incidental items, such as trenching, backfill, flowable fill 3 inches above the conduit, protection of area prior to final layer, warning tape, locate wire, pull rope, bend sections, couplings, duct seal, bushings, adapters, and all other materials and labor necessary to complete installations. Includes all conduits in trench. See UDOT Special Provision 13553S ATMS Conduit and standard drawing AT 1, and AT 6.		
<b>96</b>		<b>2 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install conduit. Includes all incidental items, such as trenching, backfill, flowable fill 3 inches above the conduit, protection of area prior to final layer, warning tape, locate wire, pull rope, bend sections, couplings, duct seal, bushings, adapters, and all other materials and labor necessary to complete installations. Includes all conduits in trench. See UDOT Special Provision 13553S ATMS Conduit and standard drawing AT 1, and AT 6.		
<b>97</b>		<b>2 inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install conduit. Includes all incidental items, such as trenching, backfill, flowable fill 3 inches above the conduit, protection of area prior to final layer, warning tape, locate wire, pull rope, bend sections, couplings, duct seal, bushings, adapters, and all other materials and labor necessary to complete installations. Includes all conduits in trench. See UDOT Special Provision 13553S ATMS Conduit and standard drawing AT 1, and AT 6.		

## ATTACHMENT B- SCOPE OF WOF

Installation, Relocation, and Repairs of  
Advanced Traffic Management System (ATMS) Devices

<b>98</b>	<b>2 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install all conduit. Includes all incidental items, such as boring/drilling equipment, locate wire, pull rope, bend sections, couplings, duct seal, bushings, adapters, and all other materials and labor necessary to complete installations. Includes all conduits. See UDOT Special Provision 13553S ATMS Conduit and standard drawing AT 1, and AT 6.	
<b>99</b>	<b>2 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install all conduit. Includes all incidental items, such as trenching, backfill, flowable fill 3 inches above the conduit, resurfacing of road, replacement of sidewalk, re-seeding or sod work, all restoration of vegetation, repair or replacement of damaged sprinkler systems, protection of area prior to final layer, restriping of pavement, warning tape, locate wire, pull rope, bend sections, couplings, duct seal, bushings, adapters, and all other materials and labor necessary to complete installations. Includes all conduits in trench. See UDOT Special Provision 13553S ATMS Conduit and standard drawing AT 1, and AT 6.	
<b>100</b>	<b>3 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install conduit. Includes all incidental items, such as trenching, backfill, flowable fill 3 inches above the conduit, protection of area prior to final layer, warning tape, locate wire, pull rope, bend sections, couplings, duct seal, bushings, adapters, and all other materials and labor necessary to complete installations. Includes all conduits in trench. See UDOT Special Provision 13553S ATMS Conduit and standard drawing AT 1, and AT 6.	
<b>101</b>	<b>3 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install conduit. Includes all incidental items, such as trenching, backfill, flowable fill 3 inches above the conduit, protection of area prior to final layer, warning tape, locate wire, pull rope, bend sections, couplings, duct seal, bushings, adapters, and all other materials and labor necessary to complete installations. Includes all conduits in trench. See UDOT Special Provision 13553S ATMS Conduit and standard drawing AT 1, and AT 6.	
<b>102</b>	<b>3 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install conduit. Includes all incidental items, such as trenching, backfill, flowable fill 3 inches above the conduit, protection of area prior to final layer, warning tape, locate wire, pull rope, bend sections, couplings, duct seal, bushings, adapters, and all other materials and labor necessary to complete installations. Includes all conduits in trench. See UDOT Special Provision 13553S ATMS Conduit and standard drawing AT 1, and AT 6.	
<b>103</b>	<b>3 Inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install conduit. Includes all incidental items, such as trenching, backfill, flowable fill 3 inches above the conduit, protection of area prior to final layer, warning tape, locate wire, pull rope, bend sections, couplings, duct seal, bushings, adapters, and all other materials and labor necessary to complete installations. Includes all conduits in trench. See UDOT Special Provision 13553S ATMS Conduit and standard drawing AT 1, and AT 6.	
<b>104</b>	<b>3 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install all conduit. Includes all incidental items, such as boring/drilling equipment, locate wire, pull rope, bend sections, couplings, duct seal, bushings, adapters, and all other materials and labor necessary to complete installations. Includes all conduits. See UDOT Special Provision 13553S ATMS Conduit and standard drawing AT 1, and AT 6.	

**ATTACHMENT B- SCOPE OF WOF**

**Installation, Relocation, and Repairs of  
Advanced Traffic Management System (ATMS) Devices**

<b>105</b>	<b>3 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet</b>	<b>Lineal Ft</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install all conduit. Includes all incidental items, such as trenching, backfill, flowable fill 3 inches above the conduit, resurfacing of road, replacement of sidewalk, re-seeding or sod work, all restoration of vegetation, repair or replacement of damaged sprinkler systems, protection of area prior to final layer, restriping of pavement, warning tape, locate wire, pull rope, bend sections, couplings, duct seal, bushings, adapters, and all other materials and labor necessary to complete installations. Includes all conduits in trench. See UDOT Special Provision 13553S ATMS Conduit and standard drawing AT 1, and AT 6.	
<b>106</b>	<b>Closed Circuit Television (CCTV) Assembly System –State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install Closed Circuit Television (CCTV) Assembly System on project. See UDOT specification sections System 13551 General ATMS Requirements, 13556 Closed Circuit Television (CCTV) Assembly, and standard drawing AT 1, AT10, AT11, AT12, and AT17 for a typical application.	
<b>107</b>	<b>ATMS Cabinet, State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required to install ATMS Cabinet on project. See UDOT specification sections 13555 ATMS Cabinet, 13551 General ATMS Requirements, and standard drawing AT 1, AT8, and AT9 for a typical application..	
<b>108</b>	<b>ATMS Cabinet Foundation</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install ATMS Cabinet Foundation on project. See UDOT specification sections 13555 ATMS Cabinet, 13551 General ATMS Requirements and standard drawing AT 1, AT8, and AT9 for a typical application..	
<b>109</b>	<b>45 Ft Camera Pole</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of 45 Ft Camera Pole on project. See UDOT specification sections System 13551 General ATMS Requirements, 13556 Closed Circuit Television (CCTV) Assembly, and standard drawing AT 1, AT10, AT11, AT12, and AT17 for a typical application.	
<b>110</b>	<b>45 Ft Camera Pole Foundation</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install 45 Ft Camera Pole Foundation on project. See UDOT specification sections 13555 ATMS Cabinet, 13551 General ATMS Requirements, 13556 Closed Circuit Television (CCTV) Assembly and standard drawing AT 1, AT8, and AT9 for a typical application.	
<b>111</b>	<b>60 Ft Camera Pole</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of 60 Ft Camera Pole Installed on project. . See UDOT specification sections 13551 General ATMS Requirements, 13556 Closed Circuit Television (CCTV) Assembly, and standard drawing AT 1, AT10, AT11, AT12, and AT17 for a typical application...	
<b>112</b>	<b>60 Ft Camera Pole Foundation</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install 60 Ft Camera Pole Foundation on project. See UDOT specification sections 13555 ATMS Cabinet, 13551 General ATMS Requirements, 13556 Closed Circuit Tele vision (CCTV) Assembly, Special Provision 02923S ATMS Power Service, and standard drawing AT 1, AT8, and AT9 for a typical application..	
<b>113</b>	<b>7 ft Chain Link Fence Type IV</b>	<b>Lineal Foot</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of 7 ft Chain Link Fence Type IV on project. See UDOT specification sections 2821 Chain Link Fencing and Gates and Standard Drawing FG6.	
<b>114</b>	<b>7 ft. Chain Link Fence, Type I with Barb Wire Arm</b>	<b>Lineal Foot</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of 7 ft Chain Link Fence, Type I with Barb Wire Arm on project. See UDOT specification sections 02821 Chain Link Fencing and Gates and Standard Drawing FG6.	

# ATTACHMENT B- SCOPE OF WOF

## Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

<b>115</b>	<b>Chain Link Brace Post</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Chain Link Brace Post on project. See UDOT specification sections 02821 Chain Link Fencing and Gates and Standard Drawing FG6.	
<b>116</b>	<b>Chain Link Gate, H=6 ft X W=6 ft</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required in the placement of Chain Link Gate, H=6 ft X W= 4 ft on project. See UDOT specification sections 2821 Chain Link Fencing and Gates and Standard Drawing FG6.	
<b>117</b>	<b>RWIS-ESS - State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required to install complete footings and tower base, for solar and non-solar RWIS-ESS sites on the project. See UDOT specification sections 13592 Installation of State Furnished RWIS-ES, 13551 General ATMS Requirements S, and standard drawing AT 1, AT15, AT16, and AT17 for a typical application.	
<b>118</b>	<b>Weigh In Motion System - State Furnished</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, pickup state furnished materials, and equipment required to install Weigh In Motion System on project. See UDOT specification sections 13593 Weigh In Motion System, 13551 General ATMS Requirements and standard drawing AT 1, and AT 14 for a typical application..	
<b>119</b>	<b>Reconstruct Manhole</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to reconstruct manholes. See UDOT specification sections 13554 Polymer Concrete Junction Box and standard drawing AT 1, and AT7 for a typical application	
<b>120</b>	<b>Type I-Polymer Concrete Junction Box</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to furnish and install junction boxes as shown on the plans and details. Includes all incidental items, such as concrete collars around junction boxes, grout, lids, backfill, maintenance markers, duct seal, ground rods, termination kits, removal and disposal of existing boxes, excavation, grading, disposal of surplus materials and all other materials, labor and equipment necessary to complete the installation of junction boxes. See UDOT specification sections 13554 Polymer Concrete Junction Box and standard drawing AT 1, and AT7 for a typical application.	
<b>121</b>	<b>Type II-Polymer Concrete Junction Box</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to furnish and install junction boxes as shown on the plans and details. Includes all incidental items, such as concrete collars around junction boxes, grout, lids, backfill, maintenance markers, duct seal, ground rods, termination kits, removal and disposal of existing boxes, excavation, grading, disposal of surplus materials and all other materials, labor and equipment necessary to complete the installation of junction boxes. See UDOT specification sections 13554 Polymer Concrete Junction Box and standard drawing AT 1, and AT7 for a typical application.	
<b>122</b>	<b>Type III-Polymer Concrete Junction Box</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to furnish and install junction boxes as shown on the plans and details. Includes all incidental items, such as concrete collars around junction boxes, grout, lids, backfill, maintenance markers, duct seal, ground rods, termination kits, removal and disposal of existing boxes, excavation, grading, disposal of surplus materials and all other materials, labor and equipment necessary to complete the installation of junction boxes. See UDOT specification sections 13554 Polymer Concrete Junction Box and standard drawing AT 1, and AT7 for a typical application.	

# ATTACHMENT B- SCOPE OF WOF

## Installation, Relocation, and Repairs of Advanced Traffic Management System (ATMS) Devices

<b>123</b>	<b>Type I-Polymer Concrete Junction Box Extension</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to furnish and install junction boxes as shown on the plans and details. Includes all incidental items, such as concrete collars around junction boxes, grout, lids, backfill, maintenance markers, duct seal, ground rods, termination kits, removal and disposal of existing boxes, excavation, grading, disposal of surplus materials and all other materials, labor and equipment necessary to complete the installation of junction boxes. See UDOT specification sections 13554 Polymer Concrete Junction Box and standard drawing AT 1, and AT7 for a typical application.	
<b>124</b>	<b>Type II-Polymer Concrete Junction Box Extension</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to furnish and install junction boxes as shown on the plans and details. Includes all incidental items, such as concrete collars around junction boxes, grout, lids, backfill, maintenance markers, duct seal, ground rods, termination kits, removal and disposal of existing boxes, excavation, grading, disposal of surplus materials and all other materials, labor and equipment necessary to complete the installation of junction boxes. See UDOT specification sections 13554 Polymer Concrete Junction Box and standard drawing AT 1, and AT7 for a typical application.	
<b>125</b>	<b>Type III-Polymer Concrete Junction Box Extension</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to furnish and install junction boxes as shown on the plans and details. Includes all incidental items, such as concrete collars around junction boxes, grout, lids, backfill, maintenance markers, duct seal, ground rods, termination kits, removal and disposal of existing boxes, excavation, grading, disposal of surplus materials and all other materials, labor and equipment necessary to complete the installation of junction boxes. See UDOT specification sections 13554 Polymer Concrete Junction Box and standard drawing AT 1, and AT7 for a typical application.	
<b>126</b>	<b>Lighting Power Source Ground Mount</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install Lighting Power Source Ground Mount on project. See UDOT specification sections 16525 Highway Lighting, , Special Provision 02923S ATMS Power Service, and standard drawing SL 3.	
<b>127</b>	<b>Lighting Power Source Pole Mount</b>	<b>Each</b>
	Includes all mobilization, materials, labor, workmanship, and equipment required to install Lighting Power Source Pole Mount on project. See UDOT specification sections 16525 Highway Lighting, Special Provision 02923S ATMS Power Service, and standard drawing SL 6.	
<b>128</b>	<b>5 Ton Crane with operator and laborer</b>	<b>Per Hour</b>
	Includes all mobilization, labor, and equipment required for a 5 ton Crane with operator and laborer on project.	
<b>129</b>	<b>Bucket Truck having a 65 foot working height with operator</b>	<b>Per Hour</b>
	Includes all mobilization, labor, and equipment required for a Bucket Truck having a 65 foot working height with operator on project	
<b>130</b>	<b>Flat bed truck 1 ton with operator</b>	<b>Per Hour</b>
	Includes all mobilization, labor, and equipment required for a Flat bed truck 1 ton with operator on project	
<b>131</b>	<b>Backhoe Loader with transport and operator – Size CAT 240D or equivalent</b>	<b>Per Hour</b>
	Includes all mobilization, labor, and equipment required for a Backhoe with operator on project	
<b>132</b>	<b>Auger Truck 36“ diameter and 8to 12 feet depth with operator</b>	<b>Per Hour</b>
	Includes all mobilization, labor, and equipment required for a Auger Truck with operator on project	
<b>133</b>	<b>Auger Truck 42“ diameter and 11to 32 feet depth with operator</b>	<b>Per Hour</b>
	Includes all mobilization, labor, and equipment required for a Auger Truck with operator on project	
<b>134</b>	<b>5 ton Dump Truck with operator</b>	<b>Per Hour</b>
	Includes all mobilization, labor, and equipment required for a 5 ton Dump Truck per hour with operator on project	

Attachment B- Pricing  
Region#1 Box Elder and Cache Counties  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
1	Traffic Control for New Installation Beyond the Shoulder	Each	10.0	\$231.00	
2	Traffic Control for Work within the Shoulder	Each	10.0	\$231.00	
3	Traffic Control for Single Lane Closure	Each	5.0	\$286.00	
4	Traffic Control for Two Lane Closure	Each	5.0	\$396.00	
5	Traffic Control Maintainer	Hour	30.0	\$47.00	
6	Flagging (State Projects)	Hour	30.0	\$16.00	
7	Flagging (Federal Projects)	Hour	30.0	\$16.00	
8	Construction Sign	Sq ft/d	500.0	\$0.35	
9	Plastic Barrels	Dev/d	100.0	\$0.50	
10	Barricades Type I	Dev/d	20.0	\$0.50	
11	Barricades Type II	Dev/d	20.0	\$0.50	
12	Barricades Type III	Dev/d	15.0	\$3.00	
13	Vertical Panel	Dev/d	20.0	\$0.60	
14	Check Dam	Lineal Ft	200.0	\$19.10	
15	Silt Fence Slop Barrier	Lineal Ft	200.0	\$2.50	
16	Slope Drain	Lineal Ft	200.0	\$10.66	
17	Drop-inlet Barrier	Lineal Ft	200.0	\$10.11	
18	Sediment Trap	Cu ft	25.0	\$3.62	
19	Temporary Berm	Lineal Ft	25.0	\$2.51	
20	Curb Inlet Barrier	Each	10.0	\$9.00	
21	Sand	Ton	2.0	\$20.00	
22	Free Draining Granular Backfill Borrow	Cu yd	5.0	\$25.00	
23	Geotextiles - Weed barrier	Sq yd	24.0	\$2.00	
24	Asphalt Fabric	Sq yd	20.0	\$0.50	
25	Remove Manhole	Each	1.0	\$600.00	
26	Remove Concrete Sidewalk	Sq yd	10.0	\$5.00	
27	Remove Concrete Driveway	Sq yd	50.0	\$7.60	
28	Remove Concrete Pavement	Sq yd	50.0	\$5.00	
29	Removal of Asphalt Pavement	Sq yd	50.0	\$10.00	
30	Site Clearing and Grubbing	Sq yd	100.0	\$10.00	
31	Landscape Grading	Sq yd	50.0	\$1.50	
32	Erosion Control Blanket	Sq yd	24.0	\$1.15	
33	Portland Cement Concrete Pavement 7 inch Thick	Sq ft	50.0	\$25.00	
34	Concrete Curb and gutter Type B1	Lineal Ft	25.0	\$25.00	
35	Pedestrian Access Ramp Type A	Sq Ft	4.0	\$8.50	
36	Concrete Sidewalk	Sq ft	60.0	\$5.00	
37	Concrete Flatwork 6 inch thick	Sq Yd	100.0	\$6.00	
38	Hot Mix Asphalt	Sq Yd	10.0	\$30.00	
39	Drill Seed	Acres	0.5	\$550.00	
40	Turf Seed	1000 sq ft	100.0	\$7.50	
41	Broadcast Seed	Acres	0.5	\$1,000.00	
42	Broadcast Seed	1000 sq ft	500.0	\$7.00	
43	Broadcast Turf Seed	1000 sq ft	500.0	\$5.00	
44	Turf Sod	Sq ft	20.0	\$5.00	
45	Tree Pruning	Each	2.0	\$75.00	
46	Mast Arm Signal Pole (50 ft to 65 ft) - State Furnished	Each	4.0	\$330.00	
47	Mast Arm Signal Pole (50 ft to 65 ft Foundation	Each	4.0	\$1,780.00	
48	65 ft Mast Arm - State Furnished	Each	4.0	\$600.00	
49	40 Ft Light Pole Extension with 10 ft Arm - State Furnished	Each	2.0	\$150.00	
50	480V Highway Liminaire - State Furnished	Each	2.0	\$330.00	
51	240V Highway Liminaire - State Furnished	Each	2.0	\$330.00	
52	Pedestrian Pole - State Furnished	Each	4.0	\$250.00	
53	Pedestrian Pole Foundation	Each	4.0	\$250.00	
54	1 inch Dia. X 36 inch Anchor Bolt with Hardware	Each	4.0	\$1.00	
55	1.5 inch Dia. X 54 inch Anchor Bolt with Hardware	Each	5.0	\$1.00	
56	2 inch Diameter Arch Bolt with Hardware	Each	4.0	\$1.00	
57	LED Ball and Arrow Signal Module, State Furnished	Each	24.0	\$150.00	
58	LED Pedestrian Signal Module, State Furnished	Each	4.0	\$100.00	
59	Power Source, Pole Mount	Each	2.0	\$650.00	
60	Power Source, Underground Service Pedestal	Each	4.0	\$1,435.00	
61	Size G Cabinet Pole Mount - State Furnished	Each	1.0	\$600.00	

Attachment B- Pricing  
Region#1 Box Elder and Cache Counties  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
62	Size 5 Cabinet – State Furnished	Each	2.0	\$280.00	
63	Size 5 Cabinet Foundation	Each	2.0	\$850.00	
64	Size 6 Cabinet - State Furnished	Each	2.0	\$280.00	
65	Size 6 Cabinet Foundation	Each	2.0	\$850.00	
66	Mast Arm Mounted Sign - State Furnished	Each	4.0	\$65.00	
67	IMSA 51-3, 1 wire, AWG 14 gage	Linear Ft.	500.0	\$0.35	
68	IMSA 51-7, 2 wires,AWG 14 gage	Linear Ft.	500.0	\$0.45	
69	IMSA 50-2, 2 wire, AWG 14 gage	Linear Ft.	500.0	\$0.60	
70	IMSA 20-1, 3 wire, AWG 14 gage	Linear Ft.	500.0	\$0.62	
71	IMSA 20-1, 4 wire, AWG 14 gage	Linear Ft.	500.0	\$0.75	
72	IMSA 20-1, 7 wire, AWG 14 gage	Linear Ft.	500.0	\$0.96	
73	RHHUSE-USE-RHW, 4 gage	Linear Ft.	500.0	\$1.22	
74	RHHUSE-USE-RHW, 6 gage	Linear Ft.	500.0	\$0.56	
75	RHHUSE-USE-RHW, 8 gage	Linear Ft.	500.0	\$0.50	
76	Belden RG-59	Linear Ft.	500.0	\$0.56	
77	Belden RG-8	Linear Ft.	500.0	\$0.60	
78	Belden 9913	Linear Ft.	500.0	\$0.56	
79	6 pair Belden AWG No. 19	Linear Ft.	500.0	\$2.58	
80	Times LMR 600	Linear Ft.	500.0	\$9.00	
81	Bare Copper Ground Wire, No. 6	Linear Ft.	500.0	\$0.42	
82	Electrical Work Bridges	Linear Ft.	500.0	\$6.50	
83	Ground Rods	Each	6.0	\$70.00	
84	Traffic Counting Loop Detector	Each	4.0	\$600.00	
85	Video Detection Assemblies - State Furnished	Each	1.0	\$628.00	
86	Video Detection Controller - State Furnished	Each	1.0	\$50.00	
87	Video Detection Cable Assembly - State Furnished	Each	1.0	\$150.00	
88	Camera mount, video Detection with 46 inch Tube State Furnished	Each	5.0	\$50.00	
89	Solar Power Battery Back Up – State Furnished	Each	4.0	\$1,200.00	
90	Wood Pole 35 ft – State Furnished	Each	6.0	\$350.00	
91	Flowable Fill	Cu yd	50.0	\$75.00	
92	Pothole Patching – Concrete	Sq ft	50.0	\$15.00	
93	Pothole Patching – Asphalt	Sq ft	50.0	\$8.00	
94	2 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$6.50	
95	2 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$7.50	
96	2 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$8.00	
97	2 inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$9.50	
98	2 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$10.00	
99	2 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$38.00	
100	3 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$7.00	
101	3 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$7.50	
102	3 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$8.00	
103	3 Inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$11.00	
104	3 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$11.00	
105	3 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$39.00	
106	Closed Circuit Television (CCTV) Assembly System –State Furnished	Each	5.0	\$365.00	
107	ATMS Cabinet, State Furnished	Each	5.0	\$285.00	
108	ATMS Cabinet Foundation	Each	5.0	\$850.00	
109	45 Ft Camera Pole	Each	5.0	\$500	
110	45 Ft Camera Pole Foundation	Each	5.0	\$1,500.00	
111	60 Ft Camera Pole	Each	1.0	\$650.00	
112	60 Ft Camera Pole Foundation	Each	1.0	\$1,500.00	
113	7 ft Chain Link Fence Type IV	Lineal Ft	40.0	\$35.00	
114	7 ft. Chain Link Fence, Type I with Barb Wire Arm	Lineal Ft	40.0	\$40.00	
115	Chain Link Brace Post	Each	8.0	\$125.00	
116	Chain Link Gate, H=6 ft X W=6 ft	Each	1.0	\$650.00	
117	RWIS-ESS - State Furnished	Each	5.0	\$5,300.00	
118	Weigh In Motion System - State Furnished	Each	1.0	\$3,700.00	
119	Reconstruct Manhole	Each	1.0	\$600.00	
120	Type I-Polymer Concrete Junction Box	Each	10.0	\$400.00	



Attachment B- Pricing  
Region#1 Box Elder and Cache Counties  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
121	Type II-Polymer Concrete Junction Box	Each	10.0	\$700.00	
122	Type III-Polymer Concrete Junction Box	Each	5.0	\$1,200.00	
123	Type I-Polymer Concrete Junction Box Extension	Each	10.0	\$310.00	
124	Type II-Polymer Concrete Junction Box Extension	Each	10.0	\$600.00	
125	Type III-Polymer Concrete Junction Box Extension	Each	5.0	\$900.00	
126	Lighting Power Source Ground Mount	Each	10.0	\$1,435.00	
127	Lighting Power Source Pole Mount	Each	10.0	\$650.00	
128	5 Ton Crane with operator and laborer	Per Hour	100.0	\$150.00	
129	Bucket Truck having a 65 foot working height with operator	Per Hour	100.0	\$100.00	
130	Flat bed truck 1 ton with operator	Per Hour	100.0	\$47.00	
131	Backhoe Loader with transport and operator – Size CAT 240D or equivalent	Per Hour	100.0	\$70	
132	Auger Truck 36" diameter and 8 to 12 feet depth with operator	Per Hour	100.0	\$95.00	
133	Auger Truck 42" diameter and 11to 32 feet depth with operator	Per Hour	100.0	\$275.00	
134	5 ton Dump Truck per hour with operator	Per Hour	100.0	\$70.00	

Attachment B- Pricing  
Region#1 Davis and  
Weber Counties  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
1	Traffic Control for New Installation Beyond the Shoulder	Each	10.0	\$231.00	
2	Traffic Control for Work within the Shoulder	Each	10.0	\$231.00	
3	Traffic Control for Single Lane Closure	Each	5.0	\$286.00	
4	Traffic Control for Two Lane Closure	Each	5.0	\$396.00	
5	Traffic Control Maintainer	Hour	30.0	\$47.00	
6	Flagging (State Projects)	Hour	30.0	\$16.00	
7	Flagging (Federal Projects)	Hour	30.0	\$16.00	
8	Construction Sign	Sq ft/d	500.0	\$0.35	
9	Plastic Barrels	Dev/d	100.0	\$0.50	
10	Barricades Type I	Dev/d	20.0	\$0.50	
11	Barricades Type II	Dev/d	20.0	\$0.50	
12	Barricades Type III	Dev/d	15.0	\$3.00	
13	Vertical Panel	Dev/d	20.0	\$0.60	
14	Check Dam	Lineal Ft	200.0	\$19.10	
15	Silt Fence Slop Barrier	Lineal Ft	200.0	\$2.50	
16	Slope Drain	Lineal Ft	200.0	\$10.66	
17	Drop-inlet Barrier	Lineal Ft	200.0	\$10.11	
18	Sediment Trap	Cu ft	25.0	\$3.62	
19	Temporary Berm	Lineal Ft	25.0	\$2.51	
20	Curb Inlet Barrier	Each	10.0	\$9.00	
21	Sand	Ton	2.0	\$20.00	
22	Free Draining Granular Backfill Borrow	Cu yd	5.0	\$25.00	
23	Geotextiles - Weed barrier	Sq yd	24.0	\$2.00	
24	Asphalt Fabric	Sq yd	20.0	\$0.50	
25	Remove Manhole	Each	1.0	\$600.00	
26	Remove Concrete Sidewalk	Sq yd	10.0	\$5.00	
27	Remove Concrete Driveway	Sq yd	50.0	\$7.60	
28	Remove Concrete Pavement	Sq yd	50.0	\$5.00	
29	Removal of Asphalt Pavement	Sq yd	50.0	\$10.00	
30	Site Clearing and Grubbing	Sq yd	100.0	\$10.00	
31	Landscape Grading	Sq yd	50.0	\$1.50	
32	Erosion Control Blanket	Sq yd	24.0	\$1.15	
33	Portland Cement Concrete Pavement 7 inch Thick	Sq ft	50.0	\$25.00	
34	Concrete Curb and gutter Type B1	Lineal Ft	25.0	\$25.00	
35	Pedestrian Access Ramp Type A	Sq Ft	4.0	\$8.50	
36	Concrete Sidewalk	Sq ft	60.0	\$5.00	
37	Concrete Flatwork 6 inch thick	Sq Yd	100.0	\$6.00	
38	Hot Mix Asphalt	Sq Yd	10.0	\$30.00	
39	Drill Seed	Acres	0.5	\$550.00	
40	Turf Seed	1000 sq ft	100.0	\$7.50	
41	Broadcast Seed	Acres	0.5	\$1,000.00	
42	Broadcast Seed	1000 sq ft	500.0	\$7.00	
43	Broadcast Turf Seed	1000 sq ft	500.0	\$5.00	
44	Turf Sod	Sq ft	20.0	\$5.00	
45	Tree Pruning	Each	2.0	\$75.00	
46	Mast Arm Signal Pole (50 ft to 65 ft) - State Furnished	Each	4.0	\$330.00	
47	Mast Arm Signal Pole (50 ft to 65 ft Foundation	Each	4.0	\$1,780.00	
48	65 ft Mast Arm - State Furnished	Each	4.0	\$600.00	
49	40 Ft Light Pole Extension with 10 ft Arm - State Furnished	Each	2.0	\$150.00	
50	480V Highway Liminaire - State Furnished	Each	2.0	\$330.00	
51	240V Highway Liminaire - State Furnished	Each	2.0	\$330.00	
52	Pedestrian Pole - State Furnished	Each	4.0	\$250.00	
53	Pedestrian Pole Foundation	Each	4.0	\$250.00	
54	1 inch Dia. X 36 inch Anchor Bolt with Hardware	Each	4.0	\$1.00	
55	1.5 inch Dia. X 54 inch Anchor Bolt with Hardware	Each	5.0	\$1.00	
56	2 inch Diameter Arch Bolt with Hardware	Each	4.0	\$1.00	
57	LED Ball and Arrow Signal Module, State Furnished	Each	24.0	\$150.00	
58	LED Pedestrian Signal Module, State Furnished	Each	4.0	\$100.00	
59	Power Source, Pole Mount	Each	2.0	\$650.00	
60	Power Source, Underground Service Pedestal	Each	4.0	\$1,435.00	

Attachment B- Pricing  
Region#1 Davis and  
Weber Counties  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
61	Size G Cabinet Pole Mount – State Furnished	Each	1.0	\$600.00	
62	Size 5 Cabinet – State Furnished	Each	2.0	\$280.00	
63	Size 5 Cabinet Foundation	Each	2.0	\$850.00	
64	Size 6 Cabinet - State Furnished	Each	2.0	\$280.00	
65	Size 6 Cabinet Foundation	Each	2.0	\$850.00	
66	Mast Arm Mounted Sign - State Furnished	Each	4.0	\$65.00	
67	IMSA 51-3, 1 wire, AWG 14 gage	Linear Ft.	500.0	\$0.35	
68	IMSA 51-7, 2 wires,AWG 14 gage	Linear Ft.	500.0	\$0.45	
69	IMSA 50-2, 2 wire, AWG 14 gage	Linear Ft.	500.0	\$0.60	
70	IMSA 20-1, 3 wire, AWG 14 gage	Linear Ft.	500.0	\$0.62	
71	IMSA 20-1, 4 wire, AWG 14 gage	Linear Ft.	500.0	\$0.75	
72	IMSA 20-1, 7 wire, AWG 14 gage	Linear Ft.	500.0	\$0.96	
73	RHHUSE-USE-RHW, 4 gage	Linear Ft.	500.0	\$1.22	
74	RHHUSE-USE-RHW, 6 gage	Linear Ft.	500.0	\$0.56	
75	RHHUSE-USE-RHW, 8 gage	Linear Ft.	500.0	\$0.50	
76	Belden RG-59	Linear Ft.	500.0	\$0.56	
77	Belden RG-8	Linear Ft.	500.0	\$0.60	
78	Belden 9913	Linear Ft.	500.0	\$0.56	
79	6 pair Belden AWG No. 19	Linear Ft.	500.0	\$2.58	
80	Times LMR 600	Linear Ft.	500.0	\$9.00	
81	Bare Copper Ground Wire, No. 6	Linear Ft.	500.0	\$0.42	
82	Electrical Work Bridges	Linear Ft.	500.0	\$6.50	
83	Ground Rods	Each	6.0	\$70.00	
84	Traffic Counting Loop Detector	Each	4.0	\$600.00	
85	Video Detection Assemblies - State Furnished	Each	1.0	\$628.00	
86	Video Detection Controller - State Furnished	Each	1.0	\$50.00	
87	Video Detection Cable Assembly - State Furnished	Each	1.0	\$150.00	
88	Camera mount, video Detection with 46 inch Tube State Furnished	Each	5.0	\$50.00	
89	Solar Power Battery Back Up – State Furnished	Each	4.0	\$1,200.00	
90	Wood Pole 35 ft – State Furnished	Each	6.0	\$350.00	
91	Flowable Fill	Cu yd	50.0	\$75.00	
92	Pothole Patching – Concrete	Sq ft	50.0	\$15.00	
93	Pothole Patching – Asphalt	Sq ft	50.0	\$8.00	
94	2 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$6.50	
95	2 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$7.50	
96	2 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$8.00	
97	2 inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$9.50	
98	2 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$10.00	
99	2 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$ 38.00	
100	3 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$ 7.00	
101	3 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.50	
102	3 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 8.00	
103	3 Inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 11.00	
104	3 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$ 11.00	
105	3 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$ 39.00	
106	Closed Circuit Television (CCTV) Assembly System –State Furnished	Each	5.0	\$ 365.00	
107	ATMS Cabinet, State Furnished	Each	5.0	\$ 285.00	
108	ATMS Cabinet Foundation	Each	5.0	\$ 850.00	
109	45 Ft Camera Pole	Each	5.0	\$ 500.00	
110	45 Ft Camera Pole Foundation	Each	5.0	\$ 1,500.00	
111	60 Ft Camera Pole	Each	1.0	\$ 650.00	
112	60 Ft Camera Pole Foundation	Each	1.0	\$ 1,500.00	
113	7 ft Chain Link Fence Type IV	Lineal Ft	40.0	\$ 35.00	
114	7 ft. Chain Link Fence, Type I with Barb Wire Arm	Lineal Ft	40.0	\$ 40.00	
115	Chain Link Brace Post	Each	8.0	\$ 125.00	
116	Chain Link Gate, H=6 ft X W=6 ft	Each	1.0	\$ 650.00	
117	RWIS-ESS - State Furnished	Each	5.0	\$ 5,300.00	
118	Weigh In Motion System - State Furnished	Each	1.0	\$ 3,700.00	

Region 1-Davis Weber Counties  
Summary of Items

Attachment B- Pricing  
Region#1 Davis and  
Weber Counties  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
119	Reconstruct Manhole	Each	1.0	\$ 600.00	
120	Type I-Polymer Concrete Junction Box	Each	10.0	\$ 400.00	
121	Type II-Polymer Concrete Junction Box	Each	10.0	\$700.00	
122	Type III-Polymer Concrete Junction Box	Each	5.0	\$1,200.00	
123	Type I-Polymer Concrete Junction Box Extension	Each	10.0	\$310.00	
124	Type II-Polymer Concrete Junction Box Extension	Each	10.0	\$600.00	
125	Type III-Polymer Concrete Junction Box Extension	Each	5.0	\$900.00	
126	Lighting Power Source Ground Mount	Each	10.0	\$1,435.00	
127	Lighting Power Source Pole Mount	Each	10.0	\$650.00	
128	5 Ton Crane with operator and laborer	Per Hour	100.0	\$150.00	
129	Bucket Truck having a 65 foot working height with operator	Per Hour	100.0	\$100.00	
130	Flat bed truck 1 ton with operator	Per Hour	100.0	\$47.00	
131	Backhoe Loader with transport and operator – Size CAT 240D or equivalent	Per Hour	100.0	\$70.00	
132	Auger Truck 36" diameter and 8 to 12 feet depth with operator	Per Hour	100.0	\$95.00	
133	Auger Truck 42" diameter and 11to 32 feet depth with operator	Per Hour	100.0	\$275.00	
134	5 ton Dump Truck per hour with operator	Per Hour	100.0	\$70.00	

Attachment- B Pricing  
Region#2 Summit County  
Installation, Relocation, and Repair of ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
1	Traffic Control for New Installation Beyond the Shoulder	Each	10.0	\$ 210.00	
2	Traffic Control for Work within the Shoulder	Each	10.0	\$ 210.00	
3	Traffic Control for Single Lane Closure	Each	5.0	\$ 260.00	
4	Traffic Control for Two Lane Closure	Each	5.0	\$ 360.00	
5	Traffic Control Maintainer	Hour	30.0	\$ 47.00	
6	Flagging (State Projects)	Hour	30.0	\$ 16.00	
7	Flagging (Federal Projects)	Hour	30.0	\$ 16.00	
8	Construction Sign	Sq ft/d	500.0	\$ 0.35	
9	Plastic Barrels	Dev/d	100.0	\$ 0.50	
10	Barricades Type I	Dev/d	20.0	\$ 0.50	
11	Barricades Type II	Dev/d	20.0	\$ 0.50	
12	Barricades Type III	Dev/d	15.0	\$ 3.00	
13	Vertical Panel	Dev/d	20.0	\$ 0.60	
14	Check Dam	Lineal Ft	200.0	\$ 19.10	
15	Silt Fence Slop Barrier	Lineal Ft	200.0	\$ 2.50	
16	Slope Drain	Lineal Ft	200.0	\$ 10.66	
17	Drop-inlet Barrier	Lineal Ft	200.0	\$ 10.11	
18	Sediment Trap	Cu ft	25.0	\$ 3.62	
19	Temporary Berm	Lineal Ft	25.0	\$ 2.51	
20	Curb Inlet Barrier	Each	10.0	\$ 9.00	
21	Sand	Ton	2.0	\$ 20.00	
22	Free Draining Granular Backfill Borrow	Cu yd	5.0	\$ 25.00	
23	Geotextiles - Weed barrier	Sq yd	24.0	\$ 2.00	
24	Asphalt Fabric	Sq yd	20.0	\$ 0.50	
25	Remove Manhole	Each	1.0	\$ 600.00	
26	Remove Concrete Sidewalk	Sq yd	10.0	\$ 3.75	
27	Remove Concrete Driveway	Sq yd	50.0	\$ 7.60	
28	Remove Concrete Pavement	Sq yd	50.0	\$ 4.45	
29	Removal of Asphalt Pavement	Sq yd	50.0	\$ 10.00	
30	Site Clearing and Grubbing	Sq yd	100.0	\$ 10.00	
31	Landscape Grading	Sq yd	50.0	\$ 0.65	
32	Erosion Control Blanket	Sq yd	24.0	\$ 1.15	
33	Portland Cement Concrete Pavement 7 inch Thick	Sq ft	50.0	\$ 25.00	
34	Concrete Curb and gutter Type B1	Lineal Ft	25.0	\$ 25.00	
35	Pedestrian Access Ramp Type A	Sq Ft	4.0	\$ 8.50	
36	Concrete Sidewalk	Sq ft	60.0	\$ 4.00	
37	Concrete Flatwork 6 inch thick	Sq Yd	100.0	\$ 5.00	
38	Hot Mix Asphalt	Sq Yd	10.0	\$ 300.00	
39	Drill Seed	Acres	0.5	\$ 550.00	
40	Turf Seed	1000 sq ft	100.0	\$ 0.75	
41	Broadcast Seed	Acres	0.5	\$1,000.00	
42	Broadcast Seed	1000 sq ft	500.0	\$ 1.00	
43	Broadcast Turf Seed	1000 sq ft	500.0	\$ 1.00	
44	Turf Sod	Sq ft	20.0	\$ 5.00	
45	Tree Pruning	Each	2.0	\$ 75.00	
46	Mast Arm Signal Pole (50 ft to 65 ft) - State Furnished	Each	4.0	\$ 200.00	
47	Mast Arm Signal Pole (50 ft to 65 ft Foundation	Each	4.0	\$ 1,550.00	
48	65 ft Mast Arm - State Furnished	Each	4.0	\$ 500.00	
49	40 Ft Light Pole Extension with 10 ft Arm - State Furnished	Each	2.0	\$ 100.00	
50	480V Highway Liminaire - State Furnished	Each	2.0	\$ 275.00	
51	240V Highway Liminaire - State Furnished	Each	2.0	\$ 275.00	
52	Pedestrian Pole - State Furnished	Each	4.0	\$ 200.00	
53	Pedestrian Pole Foundation	Each	4.0	\$ 200.00	
54	1 inch Dia. X 36 inch Anchor Bolt with Hardware	Each	4.0	\$ 1.00	
55	1.5 inch Dia. X 54 inch Anchor Bolt with Hardware	Each	5.0	\$ 1.00	
56	2 inch Diameter Arch Bolt with Hardware	Each	4.0	\$ 1.00	
57	LED Ball and Arrow Signal Module, State Furnished	Each	24.0	\$ 150.00	
58	LED Pedestrian Signal Module, State Furnished	Each	4.0	\$ 100.00	
59	Power Source, Pole Mount	Each	2.0	\$ 650.00	
60	Power Source, Underground Service Pedestal	Each	4.0	\$ 1,435.00	

Attachment- B Pricing  
Region#2 Summit County  
Installation, Relocation, and Repair of ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
61	Size G Cabinet Pole Mount – State Furnished	Each	1.0	\$ 600.00	
62	Size 5 Cabinet – State Furnished	Each	2.0	\$ 255.00	
63	Size 5 Cabinet Foundation	Each	2.0	\$ 850.00	
64	Size 6 Cabinet - State Furnished	Each	2.0	\$ 255.00	
65	Size 6 Cabinet Foundation	Each	2.0	\$ 850.00	
66	Mast Arm Mounted Sign - State Furnished	Each	4.0	\$ 65.00	
67	IMSA 51-3, 1 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.35	
68	IMSA 51-7, 2 wires,AWG 14 gage	Linear Ft.	500.0	\$ 0.45	
69	IMSA 50-2, 2 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.60	
70	IMSA 20-1, 3 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.62	
71	IMSA 20-1, 4 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.75	
72	IMSA 20-1, 7 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.96	
73	RHHUSE-USE-RHW, 4 gage	Linear Ft.	500.0	\$ 1.22	
74	RHHUSE-USE-RHW, 6 gage	Linear Ft.	500.0	\$ 0.56	
75	RHHUSE-USE-RHW, 8 gage	Linear Ft.	500.0	\$ 0.50	
76	Belden RG-59	Linear Ft.	500.0	\$ 0.56	
77	Belden RG-8	Linear Ft.	500.0	\$ 0.60	
78	Belden 9913	Linear Ft.	500.0	\$ 0.56	
79	6 pair Belden AWG No. 19	Linear Ft.	500.0	\$ 2.58	
80	Times LMR 600	Linear Ft.	500.0	\$ 9.00	
81	Bare Copper Ground Wire, No. 6	Linear Ft.	500.0	\$ 0.42	
82	Electrical Work Bridges	Linear Ft.	500.0	\$ 6.50	
83	Ground Rods	Each	6.0	\$ 70.00	
84	Traffic Counting Loop Detector	Each	4.0	\$ 600.00	
85	Video Detection Assemblies - State Furnished	Each	1.0	\$ 628.00	
86	Video Detection Controller - State Furnished	Each	1.0	\$ 50.00	
87	Video Detection Cable Assembly - State Furnished	Each	1.0	\$ 50.00	
88	Camera mount, video Detection with 46 inch Tube State Furnished	Each	5.0	\$ 50.00	
89	Solar Power Battery Back Up – State Furnished	Each	4.0	\$ 1,200.00	
90	Wood Pole 35 ft – State Furnished	Each	6.0	\$ 350.00	
91	Flowable Fill	Cu yd	50.0	\$ 75.00	
92	Pothole Patching – Concrete	Sq ft	50.0	\$ 15.00	
93	Pothole Patching – Asphalt	Sq ft	50.0	\$ 8.00	
94	2 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$5.50	
95	2 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$6.00	
96	2 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$6.50	
97	2 inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$8.50	
98	2 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$9.00	
99	2 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$38.00	
100	3 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$6.00	
101	3 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$6.50	
102	3 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$7.00	
103	3 Inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$9.50	
104	3 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$9.50	
105	3 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$39.00	
106	Closed Circuit Television (CCTV) Assembly System –State Furnished	Each	5.0	\$365.00	
107	ATMS Cabinet, State Furnished	Each	5.0	\$255.00	
108	ATMS Cabinet Foundation	Each	5.0	\$850.00	
109	45 Ft Camera Pole	Each	5.0	\$500.00	
110	45 Ft Camera Pole Foundation	Each	5.0	\$1,500.00	
111	60 Ft Camera Pole	Each	1.0	\$650.00	
112	60 Ft Camera Pole Foundation	Each	1.0	\$1,500.00	
113	7 ft Chain Link Fence Type IV	Lineal Ft	40.0	\$35.00	
114	7 ft. Chain Link Fence, Type I with Barb Wire Arm	Lineal Ft	40.0	\$40.00	
115	Chain Link Brace Post	Each	8.0	\$125.00	
116	Chain Link Gate, H=6 ft X W=6 ft	Each	1.0	\$650.00	
117	RWIS-ESS - State Furnished	Each	5.0	\$4,300.00	
118	Weigh In Motion System - State Furnished	Each	1.0	\$3,700.00	

Attachment- B Pricing  
Region#2 Summit County  
Installation, Relocation, and Repair of ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
119	Reconstruct Manhole	Each	1.0	\$600.00	
120	Type I-Polymer Concrete Junction Box	Each	10.0	\$375.00	
121	Type II-Polymer Concrete Junction Box	Each	10.0	\$650.00	
122	Type III-Polymer Concrete Junction Box	Each	5.0	\$1,050.00	
123	Type I-Polymer Concrete Junction Box Extension	Each	10.0	\$310.00	
124	Type II-Polymer Concrete Junction Box Extension	Each	10.0	\$600.00	
125	Type III-Polymer Concrete Junction Box Extension	Each	5.0	\$900.00	
126	Lighting Power Source Ground Mount	Each	10.0	\$1,435.00	
127	Lighting Power Source Pole Mount	Each	10.0	\$650.00	
128	5 Ton Crane with operator and laborer	Per Hour	100.0	\$150.00	
129	Bucket Truck having a 65 foot working height with operator	Per Hour	100.0	\$100.00	
130	Flat bed truck 1 ton with operator	Per Hour	100.0	\$47.00	
131	Backhoe Loader with transport and operator – Size CAT 240D or equivalent	Per Hour	100.0	\$70.00	
132	Auger Truck 36" diameter and 8 to 12 feet depth with operator	Per Hour	100.0	\$95.00	
133	Auger Truck 42" diameter and 11 to 32 feet depth with operator	Per Hour	100.0	\$275.00	
134	5 ton Dump Truck per hour with operator	Per Hour	100.0	\$70.00	

Attachment B- Pricing  
Region#2 Salt Lake County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
1	Traffic Control for New Installation Beyond the Shoulder	Each	20.0	\$ 210.00	
2	Traffic Control for Work within the Shoulder	Each	20.0	\$ 210.00	
3	Traffic Control for Single Lane Closure	Each	10.0	\$ 260.00	
4	Traffic Control for Two Lane Closure	Each	10.0	\$ 360.00	
5	Traffic Control Maintainer	Hour	60.0	\$ 47.00	
6	Flagging (State Projects)	Hour	60.0	\$ 16.00	
7	Flagging (Federal Projects)	Hour	60.0	\$ 16.00	
8	Construction Sign	Sq ft/d	1000.0	\$ 0.35	
9	Plastic Barrels	Dev/d	200.0	\$ 0.50	
10	Barricades Type I	Dev/d	200.0	\$ 0.50	
11	Barricades Type II	Dev/d	200.0	\$ 0.50	
12	Barricades Type III	Dev/d	30.0	\$ 3.00	
13	Vertical Panel	Dev/d	40.0	\$ 0.60	
14	Check Dam	Lineal Ft	400.0	\$ 19.10	
15	Silt Fence Slop Barrier	Lineal Ft	400.0	\$ 2.50	
16	Slope Drain	Lineal Ft	400.0	\$ 10.66	
17	Drop-inlet Barrier	Lineal Ft	400.0	\$ 10.11	
18	Sediment Trap	Cu ft	50.0	\$ 3.62	
19	Temporary Berm	Lineal Ft	50.0	\$ 2.51	
20	Curb Inlet Barrier	Each	20.0	\$ 9.00	
21	Sand	Ton	4.0	\$ 20.00	
22	Free Draining Granular Backfill Borrow	Cu yd	10.0	\$ 25.00	
23	Geotextiles - Weed barrier	Sq yd	48.0	\$ 2.00	
24	Asphalt Fabric	Sq yd	40.0	\$ 0.50	
25	Remove Manhole	Each	2.0	\$ 600.00	
26	Remove Concrete Sidewalk	Sq yd	20.0	\$ 3.75	
27	Remove Concrete Driveway	Sq yd	100.0	\$ 7.60	
28	Remove Concrete Pavement	Sq yd	100.0	\$ 4.45	
29	Removal of Asphalt Pavement	Sq yd	100.0	\$ 10.00	
30	Site Clearing and Grubbing	Sq yd	200.0	\$ 10.00	
31	Landscape Grading	Sq yd	100.0	\$ 0.65	
32	Erosion Control Blanket	Sq yd	48.0	\$ 1.15	
33	Portland Cement Concrete Pavement 7 inch Thick	Sq ft	100.0	\$ 25.00	
34	Concrete Curb and gutter Type B1	Lineal Ft	50.0	\$ 25.00	
35	Pedestrian Access Ramp Type A	Sq Ft	8.0	\$ 8.50	
36	Concrete Sidewalk	Sq ft	120.0	\$ 4.00	
37	Concrete Flatwork 6 inch thick	Sq Yd	200.0	\$ 5.00	
38	Hot Mix Asphalt	Sq Yd	20.0	\$ 30.00	
39	Drill Seed	Acres	1.0	\$ 550.00	
40	Turf Seed	1000 sq ft	200.0	\$ 0.75	
41	Broadcast Seed	Acres	1.0	\$ 1,000.00	
42	Broadcast Seed	1000 sq ft	1000.0	\$ 1.00	
43	Broadcast Turf Seed	1000 sq ft	1000.0	\$ 1.00	
44	Turf Sod	Sq ft	40.0	\$ 5.00	
45	Tree Pruning	Each	4.0	\$ 75.00	
46	Mast Arm Signal Pole (50 ft to 65 ft) - State Furnished	Each	8.0	\$ 200.00	
47	Mast Arm Signal Pole (50 ft to 65 ft Foundation	Each	8.0	\$ 1,550.00	
48	65 ft Mast Arm - State Furnished	Each	8.0	\$ 500.00	
49	40 Ft Light Pole Extension with 10 ft Arm - State Furnished	Each	4.0	\$ 100.00	
50	480V Highway Liminaire - State Furnished	Each	4.0	\$ 275.00	
51	240V Highway Liminaire - State Furnished	Each	4.0	\$ 275.00	
52	Pedestrian Pole - State Furnished	Each	8.0	\$ 200.00	
53	Pedestrian Pole Foundation	Each	8.0	\$ 200.00	
54	1 inch Dia. X 36 inch Anchor Bolt with Hardware	Each	4.0	\$ 1.00	
55	1.5 inch Dia. X 54 inch Anchor Bolt with Hardware	Each	10.0	\$ 1.00	
56	2 inch Diameter Arch Bolt with Hardware	Each	8.0	\$ 1.00	
57	LED Ball and Arrow Signal Module, State Furnished	Each	48.0	\$ 150.00	
58	LED Pedestrian Signal Module, State Furnished	Each	8.0	\$ 100.00	



Attachment B- Pricing  
Region#2 Salt Lake County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
59	Power Source, Pole Mount	Each	4.0	\$ 650.00	
60	Power Source, Underground Service Pedestal	Each	8.0	\$ 1,435.00	
61	Size G Cabinet Pole Mount – State Furnished	Each	2.0	\$ 600.00	
62	Size 5 Cabinet – State Furnished	Each	4.0	\$ 255.00	
63	Size 5 Cabinet Foundation	Each	4.0	\$ 850.00	
64	Size 6 Cabinet - State Furnished	Each	4.0	\$ 255.00	
65	Size 6 Cabinet Foundation	Each	4.0	\$ 850.00	
66	Mast Arm Mounted Sign - State Furnished	Each	8.0	\$ 65.00	
67	IMSA 51-3, 1 wire, AWG 14 gage	Linear Ft.	1000.0	\$ 0.35	
68	IMSA 51-7, 2 wires,AWG 14 gage	Linear Ft.	1000.0	\$ 0.45	
69	IMSA 50-2, 2 wire, AWG 14 gage	Linear Ft.	1000.0	\$ 0.60	
70	IMSA 20-1, 3 wire, AWG 14 gage	Linear Ft.	1000.0	\$ 0.62	
71	IMSA 20-1, 4 wire, AWG 14 gage	Linear Ft.	1000.0	\$ 0.75	
72	IMSA 20-1, 7 wire, AWG 14 gage	Linear Ft.	1000.0	\$ 0.96	
73	RHHUSE-USE-RHW, 4 gage	Linear Ft.	1000.0	\$ 1.22	
74	RHHUSE-USE-RHW, 6 gage	Linear Ft.	1000.0	\$ 0.56	
75	RHHUSE-USE-RHW, 8 gage	Linear Ft.	1000.0	\$ 0.50	
76	Belden RG-59	Linear Ft.	1000.0	\$ 0.56	
77	Belden RG-8	Linear Ft.	1000.0	\$ 0.60	
78	Belden 9913	Linear Ft.	1000.0	\$ 0.56	
79	6 pair Belden AWG No. 19	Linear Ft.	1000.0	\$ 2.58	
80	Times LMR 600	Linear Ft.	1000.0	\$ 9.00	
81	Bare Copper Ground Wire, No. 6	Linear Ft.	1000.0	\$ 0.42	
82	Electrical Work Bridges	Linear Ft.	1000.0	\$ 6.50	
83	Ground Rods	Each	12.0	\$ 70.00	
84	Traffic Counting Loop Detector	Each	8.0	\$ 600.00	
85	Video Detection Assemblies - State Furnished	Each	2.0	\$ 628.00	
86	Video Detection Controller - State Furnished	Each	2.0	\$ 50.00	
87	Video Detection Cable Assembly - State Furnished	Each	2.0	\$ 50.00	
88	Camera mount, video Detection with 46 inch Tube State Furnished	Each	10.0	\$ 50.00	
89	Solar Power Battery Back Up – State Furnished	Each	8.0	\$ 1,200.00	
90	Wood Pole 35 ft – State Furnished	Each	12.0	\$ 350.00	
91	Flowable Fill	Cu yd	100.0	\$ 75.00	
92	Pothole Patching – Concrete	Sq ft	100.0	\$ 15.00	
93	Pothole Patching – Asphalt	Sq ft	100.0	\$ 8.00	
94	2 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	800.0	\$5.50	
95	2 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$6.00	
96	2 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$6.50	
97	2 inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$8.50	
98	2 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	200.0	\$9.00	
99	2 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	200.0	\$38.00	
100	3 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	800.0	\$6.00	
101	3 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	800.0	\$6.50	
102	3 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$7.00	
103	3 Inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$9.50	
104	3 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	200.0	\$9.50	
105	3 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	200.0	\$39.00	
106	Closed Circuit Television (CCTV) Assembly System –State Furnished	Each	10.0	\$365.00	
107	ATMS Cabinet, State Furnished	Each	10.0	\$255.00	
108	ATMS Cabinet Foundation	Each	10.0	\$850.00	
109	45 Ft Camera Pole	Each	10.0	\$500.00	
110	45 Ft Camera Pole Foundation	Each	10.0	\$1,500.00	
111	60 Ft Camera Pole	Each	2.0	\$650.00	
112	60 Ft Camera Pole Foundation	Each	2.0	\$1,500.00	
113	7 ft Chain Link Fence Type IV	Lineal Ft	80.0	\$35.00	
114	7 ft. Chain Link Fence, Type I with Barb Wire Arm	Lineal Ft	80.0	\$40.00	

Attachment B- Pricing  
Region#2 Salt Lake County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
115	Chain Link Brace Post	Each	16.0	\$125.00	
116	Chain Link Gate, H=6 ft X W=6 ft	Each	2.0	\$650.00	
117	RWIS-ESS - State Furnished	Each	5.0	\$4,300.00	
118	Weigh In Motion System - State Furnished	Each	1.0	\$3,700.00	
119	Reconstruct Manhole	Each	2.0	\$600.00	
120	Type I-Polymer Concrete Junction Box	Each	20.0	\$375.00	
121	Type II-Polymer Concrete Junction Box	Each	20.0	\$650.00	
122	Type III-Polymer Concrete Junction Box	Each	10.0	\$1,050.00	
123	Type I-Polymer Concrete Junction Box Extension	Each	20.0	\$310.00	
124	Type II-Polymer Concrete Junction Box Extension	Each	10.0	\$600.00	
125	Type III-Polymer Concrete Junction Box Extension	Each	10.0	\$900.00	
126	Lighting Power Source Ground Mount	Each	20.0	\$1,435.00	
127	Lighting Power Source Pole Mount	Each	20.0	\$650.00	
128	5 Ton Crane with operator and laborer	Per Hour	1000.0	\$150.00	
129	Bucket Truck having a 65 foot working height with operator	Per Hour	1000.0	\$100.00	
130	Flat bed truck 1 ton with operator	Per Hour	1000.0	\$47.00	
131	Backhoe Loader with transport and operator – Size CAT 240D or equivalent	Per Hour	1000.0	\$70.00	
132	Auger Truck 36" diameter and 8 to 12 feet depth with operator	Per Hour	1000.0	\$95.00	
133	Auger Truck 42" diameter and 11 to 32 feet depth with operator	Per Hour	1000.0	\$275.00	
134	5 ton Dump Truck per hour with operator	Per Hour	1000.0	\$70.00	

Attachment B- Pricing  
Region #2 Tooele County  
Installation, Relocation, and  
Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
1	Traffic Control for New Installation Beyond the Shoulder	Each	10.0	\$ 241.00	
2	Traffic Control for Work within the Shoulder	Each	10.0	\$ 241.00	
3	Traffic Control for Single Lane Closure	Each	5.0	\$ 310.00	
4	Traffic Control for Two Lane Closure	Each	5.0	\$ 396.00	
5	Traffic Control Maintainer	Hour	30.0	\$ 47.00	
6	Flagging (State Projects)	Hour	30.0	\$ 16.00	
7	Flagging (Federal Projects)	Hour	30.0	\$ 16.00	
8	Construction Sign	Sq ft/d	500.0	\$ 0.50	
9	Plastic Barrels	Dev/d	100.0	\$ 0.75	
10	Barricades Type I	Dev/d	20.0	\$ 0.75	
11	Barricades Type II	Dev/d	20.0	\$ 0.75	
12	Barricades Type III	Dev/d	15.0	\$ 4.00	
13	Vertical Panel	Dev/d	20.0	\$ 0.75	
14	Check Dam	Lineal Ft	200.0	\$ 19.10	
15	Silt Fence Slop Barrier	Lineal Ft	200.0	\$ 2.50	
16	Slope Drain	Lineal Ft	200.0	\$ 10.66	
17	Drop-inlet Barrier	Lineal Ft	200.0	\$ 10.11	
18	Sediment Trap	Cu ft	25.0	\$ 3.62	
19	Temporary Berm	Lineal Ft	25.0	\$ 2.51	
20	Curb Inlet Barrier	Each	10.0	\$ 9.00	
21	Sand	Ton	2.0	\$ 20.00	
22	Free Draining Granular Backfill Borrow	Cu yd	5.0	\$ 25.00	
23	Geotextiles - Weed barrier	Sq yd	24.0	\$ 2.00	
24	Asphalt Fabric	Sq yd	20.0	\$ 0.50	
25	Remove Manhole	Each	1.0	\$ 600.00	
26	Remove Concrete Sidewalk	Sq yd	10.0	\$ 5.00	
27	Remove Concrete Driveway	Sq yd	50.0	\$ 7.60	
28	Remove Concrete Pavement	Sq yd	50.0	\$ 5.00	
29	Removal of Asphalt Pavement	Sq yd	50.0	\$ 10.00	
30	Site Clearing and Grubbing	Sq yd	100.0	\$ 10.00	
31	Landscape Grading	Sq yd	50.0	\$ 1.50	
32	Erosion Control Blanket	Sq yd	24.0	\$ 1.15	
33	Portland Cement Concrete Pavement 7 inch Thick	Sq ft	50.0	\$ 25.00	
34	Concrete Curb and gutter Type B1	Lineal Ft	25.0	\$ 25.00	
35	Pedestrian Access Ramp Type A	Sq Ft	4.0	\$ 8.50	
36	Concrete Sidewalk	Sq ft	60.0	\$ 5.00	
37	Concrete Flatwork 6 inch thick	Sq Yd	100.0	\$ 6.00	
38	Hot Mix Asphalt	Sq Yd	10.0	\$ 30.00	
39	Drill Seed	Acres	0.5	\$ 550.00	
40	Turf Seed	1000 sq ft	100.0	\$ 7.50	
41	Broadcast Seed	Acres	0.5	\$ 1,000.00	
42	Broadcast Seed	1000 sq ft	500.0	\$ 7.00	
43	Broadcast Turf Seed	1000 sq ft	500.0	\$ 5.00	
44	Turf Sod	Sq ft	20.0	\$ 5.00	
45	Tree Pruning	Each	2.0	\$ 75.00	
46	Mast Arm Signal Pole (50 ft to 65 ft) - State Furnished	Each	4.0	\$ 400.00	
47	Mast Arm Signal Pole (50 ft to 65 ft Foundation	Each	4.0	\$ 1,800.00	
48	65 ft Mast Arm - State Furnished	Each	4.0	\$ 600.00	
49	40 Ft Light Pole Extension with 10 ft Arm - State Furnished	Each	2.0	\$ 200.00	
50	480V Highway Liminaire - State Furnished	Each	2.0	\$ 375.00	
51	240V Highway Liminaire - State Furnished	Each	2.0	\$ 375.00	
52	Pedestrian Pole - State Furnished	Each	4.0	\$ 250.00	
53	Pedestrian Pole Foundation	Each	4.0	\$ 250.00	
54	1 inch Dia. X 36 inch Anchor Bolt with Hardware	Each	4.0	\$ 1.00	
55	1.5 inch Dia. X 54 inch Anchor Bolt with Hardware	Each	5.0	\$ 1.00	
56	2 inch Diameter Arch Bolt with Hardware	Each	4.0	\$ 1.00	
57	LED Ball and Arrow Signal Module, State Furnished	Each	24.0	\$ 150.00	
58	LED Pedestrian Signal Module, State Furnished	Each	4.0	\$ 100.00	
59	Power Source, Pole Mount	Each	2.0	\$ 650.00	
60	Power Source, Underground Service Pedestal	Each	4.0	\$ 1,435.00	

Attachment B- Pricing  
Region #2 Tooele County  
Installation, Relocation, and  
Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
61	Size G Cabinet Pole Mount – State Furnished	Each	1.0	\$ 660.00	
62	Size 5 Cabinet – State Furnished	Each	2.0	\$ 280.00	
63	Size 5 Cabinet Foundation	Each	2.0	\$ 935.00	
64	Size 6 Cabinet - State Furnished	Each	2.0	\$ 280.00	
65	Size 6 Cabinet Foundation	Each	2.0	\$ 935.00	
66	Mast Arm Mounted Sign - State Furnished	Each	4.0	\$ 65.00	
67	IMSA 51-3, 1 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.35	
68	IMSA 51-7, 2 wires,AWG 14 gage	Linear Ft.	500.0	\$ 0.45	
69	IMSA 50-2, 2 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.60	
70	IMSA 20-1, 3 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.62	
71	IMSA 20-1, 4 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.75	
72	IMSA 20-1, 7 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.96	
73	RHHUSE-USE-RHW, 4 gage	Linear Ft.	500.0	\$ 1.22	
74	RHHUSE-USE-RHW, 6 gage	Linear Ft.	500.0	\$ 0.56	
75	RHHUSE-USE-RHW, 8 gage	Linear Ft.	500.0	\$ 0.50	
76	Belden RG-59	Linear Ft.	500.0	\$ 0.56	
77	Belden RG-8	Linear Ft.	500.0	\$ 0.60	
78	Belden 9913	Linear Ft.	500.0	\$ 0.56	
79	6 pair Belden AWG No. 19	Linear Ft.	500.0	\$ 2.58	
80	Times LMR 600	Linear Ft.	500.0	\$ 9.00	
81	Bare Copper Ground Wire, No. 6	Linear Ft.	500.0	\$ 0.42	
82	Electrical Work Bridges	Linear Ft.	500.0	\$ 6.50	
83	Ground Rods	Each	6.0	\$ 70.00	
84	Traffic Counting Loop Detector	Each	4.0	\$ 660.00	
85	Video Detection Assemblies - State Furnished	Each	1.0	\$ 750.00	
86	Video Detection Controller - State Furnished	Each	1.0	\$ 50.00	
87	Video Detection Cable Assembly - State Furnished	Each	1.0	\$ 150.00	
88	Camera mount, video Detection with 46 inch Tube State Furnished	Each	5.0	\$ 50.00	
89	Solar Power Battery Back Up – State Furnished	Each	4.0	\$ 1,320.00	
90	Wood Pole 35 ft – State Furnished	Each	6.0	\$ 350.00	
91	Flowable Fill	Cu yd	50.0	\$ 95.00	
92	Pothole Patching – Concrete	Sq ft	50.0	\$ 20.00	
93	Pothole Patching – Asphalt	Sq ft	50.0	\$ 10.00	
94	2 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$6.50	
95	2 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$7.50	
96	2 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$8.50	
97	2 inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$12.00	
98	2 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$14.00	
99	2 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$41.00	
100	3 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$7.00	
101	3 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$7.50	
102	3 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$9.50	
103	3 Inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$13.00	
104	3 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$15.00	
105	3 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$42.00	
106	Closed Circuit Television (CCTV) Assembly System –State Furnished	Each	5.0	\$400.00	
107	ATMS Cabinet, State Furnished	Each	5.0	\$400.00	
108	ATMS Cabinet Foundation	Each	5.0	\$935.00	
109	45 Ft Camera Pole	Each	5.0	\$550.00	
110	45 Ft Camera Pole Foundation	Each	5.0	\$1,800.00	
111	60 Ft Camera Pole	Each	1.0	\$725.00	
112	60 Ft Camera Pole Foundation	Each	1.0	\$1,800.00	
113	7 ft Chain Link Fence Type IV	Lineal Ft	40.0	\$35.00	
114	7 ft. Chain Link Fence, Type I with Barb Wire Arm	Lineal Ft	40.0	\$40.00	
115	Chain Link Brace Post	Each	8.0	\$125.00	
116	Chain Link Gate, H=6 ft X W=6 ft	Each	1.0	\$650.00	
117	RWIS-ESS - State Furnished	Each	5.0	\$4,730.00	
118	Weigh In Motion System - State Furnished	Each	1.0	\$4,070.00	

Attachment B- Pricing  
Region #2 Tooele County  
Installation, Relocation, and  
Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
119	Reconstruct Manhole	Each	1.0	\$600.00	
120	Type I-Polymer Concrete Junction Box	Each	10.0	\$412.00	
121	Type II-Polymer Concrete Junction Box	Each	10.0	\$715.00	
122	Type III-Polymer Concrete Junction Box	Each	5.0	\$1,200.00	
123	Type I-Polymer Concrete Junction Box Extension	Each	10.0	\$310.00	
124	Type II-Polymer Concrete Junction Box Extension	Each	10.0	\$600.00	
125	Type III-Polymer Concrete Junction Box Extension	Each	5.0	\$900.00	
126	Lighting Power Source Ground Mount	Each	10.0	\$1,600.00	
127	Lighting Power Source Pole Mount	Each	10.0	\$712.00	
128	5 Ton Crane with operator and laborer	Per Hour	100.0	\$150.00	
129	Bucket Truck having a 65 foot working height with operator	Per Hour	100.0	\$100.00	
130	Flat bed truck 1 ton with operator	Per Hour	100.0	\$47.00	
131	Backhoe Loader with transport and operator – Size CAT 240D or equivalent	Per Hour	100.0	\$70.00	
132	Auger Truck 36" diameter and 8 to 12 feet depth with operator	Per Hour	100.0	\$95.00	
133	Auger Truck 42" diameter and 11 to 32 feet depth with operator	Per Hour	100.0	\$275.00	
134	5 ton Dump Truck per hour with operator	Per Hour	100.0	\$70.00	

Attachment-B- Pricing  
Region#3 Utah County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
1	Traffic Control for New Installation Beyond the Shoulder	Each	10.0	\$ 231.00	
2	Traffic Control for Work within the Shoulder	Each	10.0	\$ 231.00	
3	Traffic Control for Single Lane Closure	Each	5.0	\$ 286.00	
4	Traffic Control for Two Lane Closure	Each	5.0	\$ 396.00	
5	Traffic Control Maintainer	Hour	30.0	\$ 47.00	
6	Flagging (State Projects)	Hour	30.0	\$ 16.00	
7	Flagging (Federal Projects)	Hour	30.0	\$ 16.00	
8	Construction Sign	Sq ft/d	500.0	\$ 0.35	
9	Plastic Barrels	Dev/d	100.0	\$ 0.50	
10	Barricades Type I	Dev/d	20.0	\$ 0.50	
11	Barricades Type II	Dev/d	20.0	\$ 0.50	
12	Barricades Type III	Dev/d	15.0	\$ 3.00	
13	Vertical Panel	Dev/d	20.0	\$ 0.60	
14	Check Dam	Lineal Ft	200.0	\$ 19.10	
15	Silt Fence Slop Barrier	Lineal Ft	200.0	\$ 2.50	
16	Slope Drain	Lineal Ft	200.0	\$ 10.66	
17	Drop-inlet Barrier	Lineal Ft	200.0	\$ 10.11	
18	Sediment Trap	Cu ft	25.0	\$ 3.62	
19	Temporary Berm	Lineal Ft	25.0	\$ 2.51	
20	Curb Inlet Barrier	Each	10.0	\$ 9.00	
21	Sand	Ton	2.0	\$ 20.00	
22	Free Draining Granular Backfill Borrow	Cu yd	5.0	\$ 25.00	
23	Geotextiles - Weed barrier	Sq yd	24.0	\$ 2.00	
24	Asphalt Fabric	Sq yd	20.0	\$ 0.50	
25	Remove Manhole	Each	1.0	\$ 600.00	
26	Remove Concrete Sidewalk	Sq yd	10.0	\$ 5.00	
27	Remove Concrete Driveway	Sq yd	50.0	\$ 7.60	
28	Remove Concrete Pavement	Sq yd	50.0	\$ 5.00	
29	Removal of Asphalt Pavement	Sq yd	50.0	\$ 10.00	
30	Site Clearing and Grubbing	Sq yd	100.0	\$ 10.00	
31	Landscape Grading	Sq yd	50.0	\$ 1.50	
32	Erosion Control Blanket	Sq yd	24.0	\$ 1.15	
33	Portland Cement Concrete Pavement 7 inch Thick	Sq ft	50.0	\$ 25.00	
34	Concrete Curb and gutter Type B1	Lineal Ft	25.0	\$ 25.00	
35	Pedestrian Access Ramp Type A	Sq Ft	4.0	\$ 8.50	
36	Concrete Sidewalk	Sq ft	60.0	\$ 5.00	
37	Concrete Flatwork 6 inch thick	Sq Yd	100.0	\$ 6.00	
38	Hot Mix Asphalt	Sq Yd	10.0	\$ 30.00	
39	Drill Seed	Acres	0.5	\$ 550.00	
40	Turf Seed	1000 sq ft	100.0	\$ 7.50	
41	Broadcast Seed	Acres	0.5	\$ 1,000.00	
42	Broadcast Seed	1000 sq ft	500.0	\$ 7.00	
43	Broadcast Turf Seed	1000 sq ft	500.0	\$ 5.00	
44	Turf Sod	Sq ft	20.0	\$ 5.00	
45	Tree Pruning	Each	2.0	\$ 75.00	
46	Mast Arm Signal Pole (50 ft to 65 ft) - State Furnished	Each	4.0	\$ 330.00	
47	Mast Arm Signal Pole (50 ft to 65 ft Foundation	Each	4.0	\$ 1,780.00	
48	65 ft Mast Arm - State Furnished	Each	4.0	\$ 600.00	
49	40 Ft Light Pole Extension with 10 ft Arm - State Furnished	Each	2.0	\$ 150.00	
50	480V Highway Liminaire - State Furnished	Each	2.0	\$ 330.00	
51	240V Highway Liminaire - State Furnished	Each	2.0	\$ 330.00	
52	Pedestrian Pole - State Furnished	Each	4.0	\$ 250.00	
53	Pedestrian Pole Foundation	Each	4.0	\$ 250.00	
54	1 inch Dia. X 36 inch Anchor Bolt with Hardware	Each	4.0	\$ 1.00	
55	1.5 inch Dia. X 54 inch Anchor Bolt with Hardware	Each	5.0	\$ 1.00	
56	2 inch Diameter Arch Bolt with Hardware	Each	4.0	\$ 1.00	
57	LED Ball and Arrow Signal Module, State Furnished	Each	24.0	\$ 150.00	
58	LED Pedestrian Signal Module, State Furnished	Each	4.0	\$ 100.00	

Attachment-B- Pricing  
Region#3 Utah County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
59	Power Source, Pole Mount	Each	2.0	\$ 650.00	
60	Power Source, Underground Service Pedestal	Each	4.0	\$ 1,435.00	
61	Size G Cabinet Pole Mount – State Furnished	Each	1.0	\$ 600.00	
62	Size 5 Cabinet – State Furnished	Each	2.0	\$ 280.00	
63	Size 5 Cabinet Foundation	Each	2.0	\$ 850.00	
64	Size 6 Cabinet - State Furnished	Each	2.0	\$ 280.00	
65	Size 6 Cabinet Foundation	Each	2.0	\$ 850.00	
66	Mast Arm Mounted Sign - State Furnished	Each	4.0	\$ 65.00	
67	IMSA 51-3, 1 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.35	
68	IMSA 51-7, 2 wires,AWG 14 gage	Linear Ft.	500.0	\$ 0.45	
69	IMSA 50-2, 2 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.60	
70	IMSA 20-1, 3 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.62	
71	IMSA 20-1, 4 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.75	
72	IMSA 20-1, 7 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.96	
73	RHHUSE-USE-RHW, 4 gage	Linear Ft.	500.0	\$ 1.22	
74	RHHUSE-USE-RHW, 6 gage	Linear Ft.	500.0	\$ 0.56	
75	RHHUSE-USE-RHW, 8 gage	Linear Ft.	500.0	\$ 0.50	
76	Belden RG-59	Linear Ft.	500.0	\$ 0.56	
77	Belden RG-8	Linear Ft.	500.0	\$ 0.60	
78	Belden 9913	Linear Ft.	500.0	\$ 0.56	
79	6 pair Belden AWG No. 19	Linear Ft.	500.0	\$ 2.58	
80	Times LMR 600	Linear Ft.	500.0	\$ 9.00	
81	Bare Copper Ground Wire, No. 6	Linear Ft.	500.0	\$ 0.42	
82	Electrical Work Bridges	Linear Ft.	500.0	\$ 6.50	
83	Ground Rods	Each	6.0	\$ 70.00	
84	Traffic Counting Loop Detector	Each	4.0	\$ 600.00	
85	Video Detection Assemblies - State Furnished	Each	1.0	\$ 628.00	
86	Video Detection Controller - State Furnished	Each	1.0	\$ 50.00	
87	Video Detection Cable Assembly - State Furnished	Each	1.0	\$ 150.00	
88	Camera mount, video Detection with 46 inch Tube State Furnished	Each	5.0	\$ 50.00	
89	Solar Power Battery Back Up – State Furnished	Each	4.0	\$ 1,200.00	
90	Wood Pole 35 ft – State Furnished	Each	6.0	\$ 350.00	
91	Flowable Fill	Cu yd	50.0	\$ 75.00	
92	Pothole Patching – Concrete	Sq ft	50.0	\$ 15.00	
93	Pothole Patching – Asphalt	Sq ft	50.0	\$ 8.00	
94	2 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$ 6.50	
95	2 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.50	
96	2 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 9.00	
97	2 inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 14.50	
98	2 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$ 14.00	
99	2 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$ 38.00	
100	3 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$ 7.00	
101	3 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 8.50	
102	3 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 9.00	
103	3 Inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 15.00	
104	3 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$ 15.00	
105	3 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$ 41.00	
106	Closed Circuit Television (CCTV) Assembly System –State Furnished	Each	5.0	\$ 365.00	
107	ATMS Cabinet, State Furnished	Each	5.0	\$ 285.00	
108	ATMS Cabinet Foundation	Each	5.0	\$ 850.00	
109	45 Ft Camera Pole	Each	5.0	\$ 500.00	
110	45 Ft Camera Pole Foundation	Each	5.0	\$ 1,500.00	
111	60 Ft Camera Pole	Each	1.0	\$ 650.00	
112	60 Ft Camera Pole Foundation	Each	1.0	\$ 1,500.00	
113	7 ft Chain Link Fence Type IV	Lineal Ft	40.0	\$ 35.00	
114	7 ft. Chain Link Fence, Type I with Barb Wire Arm	Lineal Ft	40.0	\$ 40.00	

Attachment-B- Pricing  
Region#3 Utah County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
115	Chain Link Brace Post	Each	8.0	\$ 125.00	
116	Chain Link Gate, H=6 ft X W=6 ft	Each	1.0	\$ 650.00	
117	RWIS-ESS - State Furnished	Each	5.0	\$ 5,300.00	
118	Weigh In Motion System - State Furnished	Each	1.0	\$ 3,700.00	
119	Reconstruct Manhole	Each	1.0	\$ 600.00	
120	Type I-Polymer Concrete Junction Box	Each	10.0	\$ 400.00	
121	Type II-Polymer Concrete Junction Box	Each	10.0	\$700.00	
122	Type III-Polymer Concrete Junction Box	Each	5.0	\$1,200.00	
123	Type I-Polymer Concrete Junction Box Extension	Each	10.0	\$310.00	
124	Type II-Polymer Concrete Junction Box Extension	Each	10.0	\$600.00	
125	Type III-Polymer Concrete Junction Box Extension	Each	5.0	\$900.00	
126	Lighting Power Source Ground Mount	Each	10.0	\$1,435.00	
127	Lighting Power Source Pole Mount	Each	10.0	\$650.00	
128	5 Ton Crane with operator and laborer	Per Hour	100.0	\$150.00	
129	Bucket Truck having a 65 foot working height with operator	Per Hour	100.0	\$100.00	
130	Flat bed truck 1 ton with operator	Per Hour	100.0	\$47.00	
131	Backhoe Loader with transport and operator – Size CAT 240D or equivalent	Per Hour	100.0	\$70.00	
132	Auger Truck 36" diameter and 8 to 12 feet depth with operator	Per Hour	100.0	\$95.00	
133	Auger Truck 42" diameter and 11 to 32 feet depth with operator	Per Hour	100.0	\$275.00	
134	5 ton Dump Truck per hour with operator	Per Hour	100.0	\$70.00	



Attachment B- Pricing  
Region #4 Cedar City- Iron County and St. George, -Washington County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
1	Traffic Control for New Installation Beyond the Shoulder	Each	10.0	\$ 241.00	
2	Traffic Control for Work within the Shoulder	Each	10.0	\$ 241.00	
3	Traffic Control for Single Lane Closure	Each	5.0	\$ 310.00	
4	Traffic Control for Two Lane Closure	Each	5.0	\$ 396.00	
5	Traffic Control Maintainer	Hour	30.0	\$ 47.00	
6	Flagging (State Projects)	Hour	30.0	\$ 16.00	
7	Flagging (Federal Projects)	Hour	30.0	\$ 16.00	
8	Construction Sign	Sq ft/d	500.0	\$ 0.50	
9	Plastic Barrels	Dev/d	100.0	\$ 0.75	
10	Barricades Type I	Dev/d	20.0	\$ 0.75	
11	Barricades Type II	Dev/d	20.0	\$ 0.75	
12	Barricades Type III	Dev/d	15.0	\$ 4.00	
13	Vertical Panel	Dev/d	20.0	\$ 0.75	
14	Check Dam	Lineal Ft	200.0	\$ 19.10	
15	Silt Fence Slop Barrier	Lineal Ft	200.0	\$ 2.50	
16	Slope Drain	Lineal Ft	200.0	\$ 10.66	
17	Drop-inlet Barrier	Lineal Ft	200.0	\$ 10.11	
18	Sediment Trap	Cu ft	25.0	\$ 3.62	
19	Temporary Berm	Lineal Ft	25.0	\$ 2.51	
20	Curb Inlet Barrier	Each	10.0	\$ 9.00	
21	Sand	Ton	2.0	\$ 20.00	
22	Free Draining Granular Backfill Borrow	Cu yd	5.0	\$ 25.00	
23	Geotextiles - Weed barrier	Sq yd	24.0	\$ 2.00	
24	Asphalt Fabric	Sq yd	20.0	\$ 0.50	
25	Remove Manhole	Each	1.0	\$ 600.00	
26	Remove Concrete Sidewalk	Sq yd	10.0	\$ 3.75	
27	Remove Concrete Driveway	Sq yd	50.0	\$ 7.60	
28	Remove Concrete Pavement	Sq yd	50.0	\$ 4.45	
29	Removal of Asphalt Pavement	Sq yd	50.0	\$ 10.00	
30	Site Clearing and Grubbing	Sq yd	100.0	\$ 10.00	
31	Landscape Grading	Sq yd	50.0	\$ 0.65	
32	Erosion Control Blanket	Sq yd	24.0	\$ 1.15	
33	Portland Cement Concrete Pavement 7 inch Thick	Sq ft	50.0	\$ 25.00	
34	Concrete Curb and gutter Type B1	Lineal Ft	25.0	\$ 25.00	
35	Pedestrian Access Ramp Type A	Sq Ft	4.0	\$ 8.50	
36	Concrete Sidewalk	Sq ft	60.0	\$ 4.00	
37	Concrete Flatwork 6 inch thick	Sq Yd	100.0	\$ 5.00	
38	Hot Mix Asphalt	Sq Yd	10.0	\$ 30.00	
39	Drill Seed	Acres	0.5	\$ 550.00	
40	Turf Seed	1000 sq ft	100.0	\$ 0.75	
41	Broadcast Seed	Acres	0.5	\$ 1,000.00	
42	Broadcast Seed	1000 sq ft	500.0	\$ 1.00	
43	Broadcast Turf Seed	1000 sq ft	500.0	\$ 1.00	
44	Turf Sod	Sq ft	20.0	\$ 5.00	
45	Tree Pruning	Each	2.0	\$ 75.00	
46	Mast Arm Signal Pole (50 ft to 65 ft) - State Furnished	Each	4.0	\$ 400.00	
47	Mast Arm Signal Pole (50 ft to 65 ft Foundation	Each	4.0	\$ 1,800.00	
48	65 ft Mast Arm - State Furnished	Each	4.0	\$ 600.00	
49	40 Ft Light Pole Extension with 10 ft Arm - State Furnished	Each	2.0	\$ 200.00	
50	480V Highway Liminaire - State Furnished	Each	2.0	\$ 375.00	
51	240V Highway Liminaire - State Furnished	Each	2.0	\$ 375.00	
52	Pedestrian Pole - State Furnished	Each	4.0	\$ 250.00	
53	Pedestrian Pole Foundation	Each	4.0	\$ 250.00	
54	1 inch Dia. X 36 inch Anchor Bolt with Hardware	Each	4.0	\$ 1.00	
55	1.5 inch Dia. X 54 inch Anchor Bolt with Hardware	Each	5.0	\$ 1.00	
56	2 inch Diameter Arch Bolt with Hardware	Each	4.0	\$ 1.00	
57	LED Ball and Arrow Signal Module, State Furnished	Each	24.0	\$ 150.00	
58	LED Pedestrian Signal Module, State Furnished	Each	4.0	\$ 100.00	
59	Power Source, Pole Mount	Each	2.0	\$ 650.00	
60	Power Source, Underground Service Pedestal	Each	4.0	\$ 1,435.00	

Attachment B- Pricing  
Region #4 Cedar City- Iron County and St. George, -Washington County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
61	Size G Cabinet Pole Mount – State Furnished	Each	1.0	\$ 660.00	
62	Size 5 Cabinet – State Furnished	Each	2.0	\$ 280.00	
63	Size 5 Cabinet Foundation	Each	2.0	\$ 935.00	
64	Size 6 Cabinet - State Furnished	Each	2.0	\$ 280.00	
65	Size 6 Cabinet Foundation	Each	2.0	\$ 935.00	
66	Mast Arm Mounted Sign - State Furnished	Each	4.0	\$ 65.00	
67	IMSA 51-3, 1 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.35	
68	IMSA 51-7, 2 wires,AWG 14 gage	Linear Ft.	500.0	\$ 0.45	
69	IMSA 50-2, 2 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.60	
70	IMSA 20-1, 3 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.62	
71	IMSA 20-1, 4 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.75	
72	IMSA 20-1, 7 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.96	
73	RHHUSE-USE-RHW, 4 gage	Linear Ft.	500.0	\$ 1.22	
74	RHHUSE-USE-RHW, 6 gage	Linear Ft.	500.0	\$ 0.56	
75	RHHUSE-USE-RHW, 8 gage	Linear Ft.	500.0	\$ 0.50	
76	Belden RG-59	Linear Ft.	500.0	\$ 0.56	
77	Belden RG-8	Linear Ft.	500.0	\$ 0.60	
78	Belden 9913	Linear Ft.	500.0	\$ 0.56	
79	6 pair Belden AWG No. 19	Linear Ft.	500.0	\$ 2.58	
80	Times LMR 600	Linear Ft.	500.0	\$ 9.00	
81	Bare Copper Ground Wire, No. 6	Linear Ft.	500.0	\$ 0.42	
82	Electrical Work Bridges	Linear Ft.	500.0	\$ 6.50	
83	Ground Rods	Each	6.0	\$ 70.00	
84	Traffic Counting Loop Detector	Each	4.0	\$ 660.00	
85	Video Detection Assemblies - State Furnished	Each	1.0	\$ 750.00	
86	Video Detection Controller - State Furnished	Each	1.0	\$ 50.00	
87	Video Detection Cable Assembly - State Furnished	Each	1.0	\$ 50.00	
88	Camera mount, video Detection with 46 inch Tube State Furnished	Each	5.0	\$ 50.00	
89	Solar Power Battery Back Up – State Furnished	Each	4.0	\$ 1,320.00	
90	Wood Pole 35 ft – State Furnished	Each	6.0	\$ 350.00	
91	Flowable Fill	Cu yd	50.0	\$ 95.00	
92	Pothole Patching – Concrete	Sq ft	50.0	\$ 20.00	
93	Pothole Patching – Asphalt	Sq ft	50.0	\$ 10.00	
94	2 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$ 6.50	
95	2 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.00	
96	2 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.50	
97	2 inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 9.50	
98	2 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$ 10.00	
99	2 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$ 38.00	
100	3 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$ 7.00	
101	3 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.50	
102	3 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 8.00	
103	3 Inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 10.50	
104	3 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$ 10.50	
105	3 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$ 39.00	
106	Closed Circuit Television (CCTV) Assembly System –State Furnished	Each	5.0	\$ 400.00	
107	ATMS Cabinet, State Furnished	Each	5.0	\$ 400.00	
108	ATMS Cabinet Foundation	Each	5.0	\$ 935.00	
109	45 Ft Camera Pole	Each	5.0	\$ 550.00	
110	45 Ft Camera Pole Foundation	Each	5.0	\$ 1,800.00	
111	60 Ft Camera Pole	Each	1.0	\$ 725.00	
112	60 Ft Camera Pole Foundation	Each	1.0	\$ 1,800.00	
113	7 ft Chain Link Fence Type IV	Lineal Ft	40.0	\$ 35.00	
114	7 ft. Chain Link Fence, Type I with Barb Wire Arm	Lineal Ft	40.0	\$ 40.00	
115	Chain Link Brace Post	Each	8.0	\$ 125.00	
116	Chain Link Gate, H=6 ft X W=6 ft	Each	1.0	\$ 650.00	
117	RWIS-ESS - State Furnished	Each	5.0	\$ 4,730.00	
118	Weigh In Motion System - State Furnished	Each	1.0	\$ 4,070.00	

Attachment B- Pricing  
Region #4 Cedar City- Iron County and St. George, -Washington County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
119	Reconstruct Manhole	Each	1.0	\$ 600.00	
120	Type I-Polymer Concrete Junction Box	Each	10.0	\$ 412.00	
121	Type II-Polymer Concrete Junction Box	Each	10.0	\$715.00	
122	Type III-Polymer Concrete Junction Box	Each	5.0	\$1,155.00	
123	Type I-Polymer Concrete Junction Box Extension	Each	10.0	\$310.00	
124	Type II-Polymer Concrete Junction Box Extension	Each	10.0	\$600.00	
125	Type III-Polymer Concrete Junction Box Extension	Each	5.0	\$900.00	
126	Lighting Power Source Ground Mount	Each	10.0	\$1,600.00	
127	Lighting Power Source Pole Mount	Each	10.0	\$712.00	
128	5 Ton Crane with operator and laborer	Per Hour	100.0	\$150.00	
129	Bucket Truck having a 65 foot working height with operator	Per Hour	100.0	\$100.00	
130	Flat bed truck 1 ton with operator	Per Hour	100.0	\$47.00	
131	Backhoe Loader with transport and operator – Size CAT 240D or equivalent	Per Hour	100.0	\$70.00	
132	Auger Truck 36" diameter and 8 to 12 feet depth with operator	Per Hour	100.0	\$95.00	
133	Auger Truck 42" diameter and 11to 32 feet depth with operator	Per Hour	100.0	\$275.00	
134	5 ton Dump Truck per hour with operator	Per Hour	100.0	\$70.00	

Attachment B- Pricing  
Region #4 Moab Grand County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
1	Traffic Control for New Installation Beyond the Shoulder	Each	10.0	\$ 241.00	
2	Traffic Control for Work within the Shoulder	Each	10.0	\$ 241.00	
3	Traffic Control for Single Lane Closure	Each	5.0	\$ 310.00	
4	Traffic Control for Two Lane Closure	Each	5.0	\$ 396.00	
5	Traffic Control Maintainer	Hour	30.0	\$ 47.00	
6	Flagging (State Projects)	Hour	30.0	\$ 16.00	
7	Flagging (Federal Projects)	Hour	30.0	\$ 16.00	
8	Construction Sign	Sq ft/d	500.0	\$ 0.50	
9	Plastic Barrels	Dev/d	100.0	\$ 0.75	
10	Barricades Type I	Dev/d	20.0	\$ 0.75	
11	Barricades Type II	Dev/d	20.0	\$ 0.75	
12	Barricades Type III	Dev/d	15.0	\$ 4.00	
13	Vertical Panel	Dev/d	20.0	\$ 0.75	
14	Check Dam	Lineal Ft	200.0	\$ 19.10	
15	Silt Fence Slop Barrier	Lineal Ft	200.0	\$ 2.50	
16	Slope Drain	Lineal Ft	200.0	\$ 10.66	
17	Drop-inlet Barrier	Lineal Ft	200.0	\$ 10.11	
18	Sediment Trap	Cu ft	25.0	\$ 3.62	
19	Temporary Berm	Lineal Ft	25.0	\$ 2.51	
20	Curb Inlet Barrier	Each	10.0	\$ 9.00	
21	Sand	Ton	2.0	\$ 20.00	
22	Free Draining Granular Backfill Borrow	Cu yd	5.0	\$ 25.00	
23	Geotextiles - Weed barrier	Sq yd	24.0	\$ 2.00	
24	Asphalt Fabric	Sq yd	20.0	\$ 0.50	
25	Remove Manhole	Each	1.0	\$ 600.00	
26	Remove Concrete Sidewalk	Sq yd	10.0	\$ 5.00	
27	Remove Concrete Driveway	Sq yd	50.0	\$ 7.60	
28	Remove Concrete Pavement	Sq yd	50.0	\$ 5.00	
29	Removal of Asphalt Pavement	Sq yd	50.0	\$ 10.00	
30	Site Clearing and Grubbing	Sq yd	100.0	\$ 10.00	
31	Landscape Grading	Sq yd	50.0	\$ 1.50	
32	Erosion Control Blanket	Sq yd	24.0	\$ 1.15	
33	Portland Cement Concrete Pavement 7 inch Thick	Sq ft	50.0	\$ 25.00	
34	Concrete Curb and gutter Type B1	Lineal Ft	25.0	\$ 25.00	
35	Pedestrian Access Ramp Type A	Sq Ft	4.0	\$ 8.50	
36	Concrete Sidewalk	Sq ft	60.0	\$ 5.00	
37	Concrete Flatwork 6 inch thick	Sq Yd	100.0	\$ 6.00	
38	Hot Mix Asphalt	Sq Yd	10.0	\$ 30.00	
39	Drill Seed	Acres	0.5	\$ 550.00	
40	Turf Seed	1000 sq ft	100.0	\$ 7.50	
41	Broadcast Seed	Acres	0.5	\$ 1,000.00	
42	Broadcast Seed	1000 sq ft	500.0	\$ 7.00	
43	Broadcast Turf Seed	1000 sq ft	500.0	\$ 5.00	
44	Turf Sod	Sq ft	20.0	\$ 5.00	
45	Tree Pruning	Each	2.0	\$ 75.00	
46	Mast Arm Signal Pole (50 ft to 65 ft) - State Furnished	Each	4.0	\$ 400.00	
47	Mast Arm Signal Pole (50 ft to 65 ft Foundation	Each	4.0	\$ 1,800.00	
48	65 ft Mast Arm - State Furnished	Each	4.0	\$ 600.00	
49	40 Ft Light Pole Extension with 10 ft Arm - State Furnished	Each	2.0	\$ 200.00	
50	480V Highway Liminaire - State Furnished	Each	2.0	\$ 375.00	
51	240V Highway Liminaire - State Furnished	Each	2.0	\$ 375.00	
52	Pedestrian Pole - State Furnished	Each	4.0	\$ 250.00	
53	Pedestrian Pole Foundation	Each	4.0	\$ 250.00	
54	1 inch Dia. X 36 inch Anchor Bolt with Hardware	Each	4.0	\$ 1.00	
55	1.5 inch Dia. X 54 inch Anchor Bolt with Hardware	Each	5.0	\$ 1.00	
56	2 inch Diameter Arch Bolt with Hardware	Each	4.0	\$ 1.00	
57	LED Ball and Arrow Signal Module, State Furnished	Each	24.0	\$ 150.00	

Attachment B- Pricing  
Region #4 Moab Grand County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
113	7 ft Chain Link Fence Type IV	Lineal Ft	40.0	\$ 35.00	
114	7 ft. Chain Link Fence, Type I with Barb Wire Arm	Lineal Ft	40.0	\$ 40.00	
115	Chain Link Brace Post	Each	8.0	\$ 125.00	
116	Chain Link Gate, H=6 ft X W=6 ft	Each	1.0	\$ 650.00	
117	RWIS-ESS - State Furnished	Each	5.0	\$ 5,300.00	
118	Weigh In Motion System - State Furnished	Each	1.0	\$ 4,070.00	
119	Reconstruct Manhole	Each	1.0	\$ 600.00	
120	Type I-Polymer Concrete Junction Box	Each	10.0	\$ 412.00	
121	Type II-Polymer Concrete Junction Box	Each	10.0	\$715.00	
122	Type III-Polymer Concrete Junction Box	Each	5.0	\$1,200.00	
123	Type I-Polymer Concrete Junction Box Extension	Each	10.0	\$310.00	
124	Type II-Polymer Concrete Junction Box Extension	Each	10.0	\$600.00	
125	Type III-Polymer Concrete Junction Box Extension	Each	5.0	\$900.00	
126	Lighting Power Source Ground Mount	Each	10.0	\$1,600.00	
127	Lighting Power Source Pole Mount	Each	10.0	\$712.00	
128	5 Ton Crane with operator and laborer	Per Hour	100.0	\$150.00	
129	Bucket Truck having a 65 foot working height with operator	Per Hour	100.0	\$100.00	
130	Flat bed truck 1 ton with operator	Per Hour	100.0	\$47.00	
131	Backhoe Loader with transport and operator – Size CAT 240D or equivalent	Per Hour	100.0	\$70.00	
132	Auger Truck 36" diameter and 8 to 12 feet depth with operator	Per Hour	100.0	\$95.00	
133	Auger Truck 42" diameter and 11to 32 feet depth with operator	Per Hour	100.0	\$275.00	
134	5 ton Dump Truck per hour with operator	Per Hour	100.0	\$70.00	

Attachment -B- Pricing  
Region #4 San Juan County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
1	Traffic Control for New Installation Beyond the Shoulder	Each	10.0	\$ 231.00	
2	Traffic Control for Work within the Shoulder	Each	10.0	\$ 231.00	
3	Traffic Control for Single Lane Closure	Each	5.0	\$ 286.00	
4	Traffic Control for Two Lane Closure	Each	5.0	\$ 396.00	
5	Traffic Control Maintainer	Hour	30.0	\$ 47.00	
6	Flagging (State Projects)	Hour	30.0	\$ 16.00	
7	Flagging (Federal Projects)	Hour	30.0	\$ 16.00	
8	Construction Sign	Sq ft/d	500.0	\$ 0.35	
9	Plastic Barrels	Dev/d	100.0	\$ 0.50	
10	Barricades Type I	Dev/d	20.0	\$ 0.50	
11	Barricades Type II	Dev/d	20.0	\$ 0.50	
12	Barricades Type III	Dev/d	15.0	\$ 3.00	
13	Vertical Panel	Dev/d	20.0	\$ 0.60	
14	Check Dam	Lineal Ft	200.0	\$ 19.10	
15	Silt Fence Slop Barrier	Lineal Ft	200.0	\$ 2.50	
16	Slope Drain	Lineal Ft	200.0	\$ 10.66	
17	Drop-inlet Barrier	Lineal Ft	200.0	\$ 10.11	
18	Sediment Trap	Cu ft	25.0	\$ 3.62	
19	Temporary Berm	Lineal Ft	25.0	\$ 2.51	
20	Curb Inlet Barrier	Each	10.0	\$ 9.00	
21	Sand	Ton	2.0	\$ 20.00	
22	Free Draining Granular Backfill Borrow	Cu yd	5.0	\$ 25.00	
23	Geotextiles - Weed barrier	Sq yd	24.0	\$ 2.00	
24	Asphalt Fabric	Sq yd	20.0	\$ 0.50	
25	Remove Manhole	Each	1.0	\$ 600.00	
26	Remove Concrete Sidewalk	Sq yd	10.0	\$ 3.75	
27	Remove Concrete Driveway	Sq yd	50.0	\$ 7.60	
28	Remove Concrete Pavement	Sq yd	50.0	\$ 4.45	
29	Removal of Asphalt Pavement	Sq yd	50.0	\$ 10.00	
30	Site Clearing and Grubbing	Sq yd	100.0	\$ 10.00	
31	Landscape Grading	Sq yd	50.0	\$ 0.65	
32	Erosion Control Blanket	Sq yd	24.0	\$ 1.15	
33	Portland Cement Concrete Pavement 7 inch Thick	Sq ft	50.0	\$ 25.00	
34	Concrete Curb and gutter Type B1	Lineal Ft	25.0	\$ 25.00	
35	Pedestrian Access Ramp Type A	Sq Ft	4.0	\$ 8.50	
36	Concrete Sidewalk	Sq ft	60.0	\$ 4.00	
37	Concrete Flatwork 6 inch thick	Sq Yd	100.0	\$ 5.00	
38	Hot Mix Asphalt	Sq Yd	10.0	\$ 30.00	
39	Drill Seed	Acres	0.5	\$ 550.00	
40	Turf Seed	1000 sq ft	100.0	\$ 0.75	
41	Broadcast Seed	Acres	0.5	\$ 1,000.00	
42	Broadcast Seed	1000 sq ft	500.0	\$ 1.00	
43	Broadcast Turf Seed	1000 sq ft	500.0	\$ 1.00	
44	Turf Sod	Sq ft	20.0	\$ 5.00	
45	Tree Pruning	Each	2.0	\$ 75.00	
46	Mast Arm Signal Pole (50 ft to 65 ft) - State Furnished	Each	4.0	\$ 300.00	
47	Mast Arm Signal Pole (50 ft to 65 ft Foundation	Each	4.0	\$ 1,800.00	
48	65 ft Mast Arm - State Furnished	Each	4.0	\$ 550.00	
49	40 Ft Light Pole Extension with 10 ft Arm - State Furnished	Each	2.0	\$ 150.00	
50	480V Highway Liminaire - State Furnished	Each	2.0	\$ 375.00	
51	240V Highway Liminaire - State Furnished	Each	2.0	\$ 375.00	
52	Pedestrian Pole - State Furnished	Each	4.0	\$ 250.00	
53	Pedestrian Pole Foundation	Each	4.0	\$ 250.00	
54	1 inch Dia. X 36 inch Anchor Bolt with Hardware	Each	4.0	\$ 1.00	
55	1.5 inch Dia. X 54 inch Anchor Bolt with Hardware	Each	5.0	\$ 1.00	
56	2 inch Diameter Arch Bolt with Hardware	Each	4.0	\$ 1.00	

Attachment -B- Pricing  
Region #4 San Juan County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
57	LED Ball and Arrow Signal Module, State Furnished	Each	24.0	\$ 150.00	
58	LED Pedestrian Signal Module, State Furnished	Each	4.0	\$ 100.00	
59	Power Source, Pole Mount	Each	2.0	\$ 650.00	
60	Power Source, Underground Service Pedestal	Each	4.0	\$ 1,592.00	
61	Size G Cabinet Pole Mount – State Furnished	Each	1.0	\$ 660.00	
62	Size 5 Cabinet – State Furnished	Each	2.0	\$ 280.00	
63	Size 5 Cabinet Foundation	Each	2.0	\$ 935.00	
64	Size 6 Cabinet - State Furnished	Each	2.0	\$ 280.00	
65	Size 6 Cabinet Foundation	Each	2.0	\$ 935.00	
66	Mast Arm Mounted Sign - State Furnished	Each	4.0	\$ 65.00	
67	IMSA 51-3, 1 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.35	
68	IMSA 51-7, 2 wires,AWG 14 gage	Linear Ft.	500.0	\$ 0.45	
69	IMSA 50-2, 2 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.60	
70	IMSA 20-1, 3 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.62	
71	IMSA 20-1, 4 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.75	
72	IMSA 20-1, 7 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.96	
73	RHHUSE-USE-RHW, 4 gage	Linear Ft.	500.0	\$ 1.22	
74	RHHUSE-USE-RHW, 6 gage	Linear Ft.	500.0	\$ 0.56	
75	RHHUSE-USE-RHW, 8 gage	Linear Ft.	500.0	\$ 0.50	
76	Belden RG-59	Linear Ft.	500.0	\$ 0.56	
77	Belden RG-8	Linear Ft.	500.0	\$ 0.60	
78	Belden 9913	Linear Ft.	500.0	\$ 0.56	
79	6 pair Belden AWG No. 19	Linear Ft.	500.0	\$ 2.58	
80	Times LMR 600	Linear Ft.	500.0	\$ 9.00	
81	Bare Copper Ground Wire, No. 6	Linear Ft.	500.0	\$ 0.42	
82	Electrical Work Bridges	Linear Ft.	500.0	\$ 6.50	
83	Ground Rods	Each	6.0	\$ 70.00	
84	Traffic Counting Loop Detector	Each	4.0	\$ 600.00	
85	Video Detection Assemblies - State Furnished	Each	1.0	\$ 628.00	
86	Video Detection Controller - State Furnished	Each	1.0	\$ 50.00	
87	Video Detection Cable Assembly - State Furnished	Each	1.0	\$ 50.00	
88	Camera mount, video Detection with 46 inch Tube State Furnished	Each	5.0	\$ 50.00	
89	Solar Power Battery Back Up – State Furnished	Each	4.0	\$ 1,200.00	
90	Wood Pole 35 ft – State Furnished	Each	6.0	\$ 350.00	
91	Flowable Fill	Cu yd	50.0	\$ 75.00	
92	Pothole Patching – Concrete	Sq ft	50.0	\$ 15.00	
93	Pothole Patching – Asphalt	Sq ft	50.0	\$ 8.00	
94	2 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$ 6.50	
95	2 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.00	
96	2 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.50	
97	2 inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 9.50	
98	2 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$ 10.00	
99	2 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$ 38.00	
100	3 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$ 7.00	
101	3 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.50	
102	3 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 8.00	
103	3 Inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 10.50	
104	3 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$ 10.50	
105	3 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$ 39.00	
106	Closed Circuit Television (CCTV) Assembly System –State Furnished	Each	5.0	\$ 401.00	
107	ATMS Cabinet, State Furnished	Each	5.0	\$ 280.00	
108	ATMS Cabinet Foundation	Each	5.0	\$ 935.00	
109	45 Ft Camera Pole	Each	5.0	\$ 600.00	
110	45 Ft Camera Pole Foundation	Each	5.0	\$ 1,800.00	

Attachment -B- Pricing  
Region #4 San Juan County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
111	60 Ft Camera Pole	Each	1.0	\$ 650.00	
112	60 Ft Camera Pole Foundation	Each	1.0	\$ 1,800.00	
113	7 ft Chain Link Fence Type IV	Lineal Ft	40.0	\$ 35.00	
114	7 ft. Chain Link Fence, Type I with Barb Wire Arm	Lineal Ft	40.0	\$ 40.00	
115	Chain Link Brace Post	Each	8.0	\$ 125.00	
116	Chain Link Gate, H=6 ft X W=6 ft	Each	1.0	\$ 650.00	
117	RWIS-ESS - State Furnished	Each	5.0	\$ 4,300.00	
118	Weigh In Motion System - State Furnished	Each	1.0	\$ 3,700.00	
119	Reconstruct Manhole	Each	1.0	\$ 600.00	
120	Type I-Polymer Concrete Junction Box	Each	10.0	\$ 412.00	
121	Type II-Polymer Concrete Junction Box	Each	10.0	\$721.00	
122	Type III-Polymer Concrete Junction Box	Each	5.0	\$1,155.00	
123	Type I-Polymer Concrete Junction Box Extension	Each	10.0	\$310.00	
124	Type II-Polymer Concrete Junction Box Extension	Each	10.0	\$600.00	
125	Type III-Polymer Concrete Junction Box Extension	Each	5.0	\$900.00	
126	Lighting Power Source Ground Mount	Each	10.0	\$1,650.00	
127	Lighting Power Source Pole Mount	Each	10.0	\$650.00	
128	5 Ton Crane with operator and laborer	Per Hour	100.0	\$150.00	
129	Bucket Truck having a 65 foot working height with operator	Per Hour	100.0	\$100.00	
130	Flat bed truck 1 ton with operator	Per Hour	100.0	\$47.00	
131	Backhoe Loader with transport and operator – Size CAT 240D or equivalent	Per Hour	100.0	\$70.00	
132	Auger Truck 36" diameter and 8 to 12 feet depth with operator	Per Hour	100.0	\$95.00	
133	Auger Truck 42" diameter and 11to 32 feet depth with operator	Per Hour	100.0	275	
134	5 ton Dump Truck per hour with operator	Per Hour	100.0	\$70.00	



Attachment -B Pricing  
Region #4 Richfield Sevier County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
1	Traffic Control for New Installation Beyond the Shoulder	Each	10.0	\$ 231.00	
2	Traffic Control for Work within the Shoulder	Each	10.0	\$ 231.00	
3	Traffic Control for Single Lane Closure	Each	5.0	\$ 286.00	
4	Traffic Control for Two Lane Closure	Each	5.0	\$ 396.00	
5	Traffic Control Maintainer	Hour	30.0	\$ 47.00	
6	Flagging (State Projects)	Hour	30.0	\$ 16.00	
7	Flagging (Federal Projects)	Hour	30.0	\$ 16.00	
8	Construction Sign	Sq ft/d	500.0	\$ 0.50	
9	Plastic Barrels	Dev/d	100.0	\$ 0.75	
10	Barricades Type I	Dev/d	20.0	\$ 0.75	
11	Barricades Type II	Dev/d	20.0	\$ 0.75	
12	Barricades Type III	Dev/d	15.0	\$ 4.00	
13	Vertical Panel	Dev/d	20.0	\$ 0.75	
14	Check Dam	Lineal Ft	200.0	\$ 19.10	
15	Silt Fence Slop Barrier	Lineal Ft	200.0	\$ 2.50	
16	Slope Drain	Lineal Ft	200.0	\$ 10.66	
17	Drop-inlet Barrier	Lineal Ft	200.0	\$ 10.11	
18	Sediment Trap	Cu ft	25.0	\$ 3.62	
19	Temporary Berm	Lineal Ft	25.0	\$ 2.51	
20	Curb Inlet Barrier	Each	10.0	\$ 9.00	
21	Sand	Ton	2.0	\$ 20.00	
22	Free Draining Granular Backfill Borrow	Cu yd	5.0	\$ 25.00	
23	Geotextiles - Weed barrier	Sq yd	24.0	\$ 2.00	
24	Asphalt Fabric	Sq yd	20.0	\$ 0.50	
25	Remove Manhole	Each	1.0	\$ 600.00	
26	Remove Concrete Sidewalk	Sq yd	10.0	\$ 3.75	
27	Remove Concrete Driveway	Sq yd	50.0	\$ 7.60	
28	Remove Concrete Pavement	Sq yd	50.0	\$ 4.45	
29	Removal of Asphalt Pavement	Sq yd	50.0	\$ 10.00	
30	Site Clearing and Grubbing	Sq yd	100.0	\$ 10.00	
31	Landscape Grading	Sq yd	50.0	\$ 0.65	
32	Erosion Control Blanket	Sq yd	24.0	\$ 1.15	
33	Portland Cement Concrete Pavement 7 inch Thick	Sq ft	50.0	\$ 25.00	
34	Concrete Curb and gutter Type B1	Lineal Ft	25.0	\$ 25.00	
35	Pedestrian Access Ramp Type A	Sq Ft	4.0	\$ 8.50	
36	Concrete Sidewalk	Sq ft	60.0	\$ 4.00	
37	Concrete Flatwork 6 inch thick	Sq Yd	100.0	\$ 5.00	
38	Hot Mix Asphalt	Sq Yd	10.0	\$ 30.00	
39	Drill Seed	Acres	0.5	\$ 550.00	
40	Turf Seed	1000 sq ft	100.0	\$ 0.75	
41	Broadcast Seed	Acres	0.5	\$ 1,000.00	
42	Broadcast Seed	1000 sq ft	500.0	\$ 1.00	
43	Broadcast Turf Seed	1000 sq ft	500.0	\$ 1.00	
44	Turf Sod	Sq ft	20.0	\$ 5.00	
45	Tree Pruning	Each	2.0	\$ 75.00	
46	Mast Arm Signal Pole (50 ft to 65 ft) - State Furnished	Each	4.0	\$ 300.00	
47	Mast Arm Signal Pole (50 ft to 65 ft Foundation	Each	4.0	\$ 1,650.00	
48	65 ft Mast Arm - State Furnished	Each	4.0	\$ 550.00	
49	40 Ft Light Pole Extension with 10 ft Arm - State Furnished	Each	2.0	\$ 200.00	
50	480V Highway Liminaire - State Furnished	Each	2.0	\$ 375.00	
51	240V Highway Liminaire - State Furnished	Each	2.0	\$ 375.00	
52	Pedestrian Pole - State Furnished	Each	4.0	\$ 250.00	
53	Pedestrian Pole Foundation	Each	4.0	\$ 250.00	
54	1 inch Dia. X 36 inch Anchor Bolt with Hardware	Each	4.0	\$ 1.00	
55	1.5 inch Dia. X 54 inch Anchor Bolt with Hardware	Each	5.0	\$ 1.00	
56	2 inch Diameter Arch Bolt with Hardware	Each	4.0	\$ 1.00	
57	LED Ball and Arrow Signal Module, State Furnished	Each	24.0	\$ 150.00	

Attachment -B Pricing  
Region #4 Richfield Sevier County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
58	LED Pedestrian Signal Module, State Furnished	Each	4.0	\$ 100.00	
59	Power Source, Pole Mount	Each	2.0	\$ 712.00	
60	Power Source, Underground Service Pedestal	Each	4.0	\$ 1,574.00	
61	Size G Cabinet Pole Mount – State Furnished	Each	1.0	\$ 660.00	
62	Size 5 Cabinet – State Furnished	Each	2.0	\$ 280.00	
63	Size 5 Cabinet Foundation	Each	2.0	\$ 943.00	
64	Size 6 Cabinet - State Furnished	Each	2.0	\$ 280.00	
65	Size 6 Cabinet Foundation	Each	2.0	\$ 943.00	
66	Mast Arm Mounted Sign - State Furnished	Each	4.0	\$ 65.00	
67	IMSA 51-3, 1 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.35	
68	IMSA 51-7, 2 wires,AWG 14 gage	Linear Ft.	500.0	\$ 0.45	
69	IMSA 50-2, 2 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.60	
70	IMSA 20-1, 3 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.62	
71	IMSA 20-1, 4 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.75	
72	IMSA 20-1, 7 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.96	
73	RHHUSE-USE-RHW, 4 gage	Linear Ft.	500.0	\$ 1.22	
74	RHHUSE-USE-RHW, 6 gage	Linear Ft.	500.0	\$ 0.56	
75	RHHUSE-USE-RHW, 8 gage	Linear Ft.	500.0	\$ 0.50	
76	Belden RG-59	Linear Ft.	500.0	\$ 0.56	
77	Belden RG-8	Linear Ft.	500.0	\$ 0.60	
78	Belden 9913	Linear Ft.	500.0	\$ 0.56	
79	6 pair Belden AWG No. 19	Linear Ft.	500.0	\$ 2.58	
80	Times LMR 600	Linear Ft.	500.0	\$ 9.00	
81	Bare Copper Ground Wire, No. 6	Linear Ft.	500.0	\$ 0.42	
82	Electrical Work Bridges	Linear Ft.	500.0	\$ 6.50	
83	Ground Rods	Each	6.0	\$ 70.00	
84	Traffic Counting Loop Detector	Each	4.0	\$ 660.00	
85	Video Detection Assemblies - State Furnished	Each	1.0	\$ 758.00	
86	Video Detection Controller - State Furnished	Each	1.0	\$ 50.00	
87	Video Detection Cable Assembly - State Furnished	Each	1.0	\$ 50.00	
88	Camera mount, video Detection with 46 inch Tube State Furnished	Each	5.0	\$ 50.00	
89	Solar Power Battery Back Up – State Furnished	Each	4.0	\$ 1,200.00	
90	Wood Pole 35 ft – State Furnished	Each	6.0	\$ 350.00	
91	Flowable Fill	Cu yd	50.0	\$ 95.00	
92	Pothole Patching – Concrete	Sq ft	50.0	\$ 20.00	
93	Pothole Patching – Asphalt	Sq ft	50.0	\$ 10.00	
94	2 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$ 6.50	
95	2 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.00	
96	2 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.50	
97	2 inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 8.50	
98	2 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$ 10.00	
99	2 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$ 38.00	
100	3 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$ 7.00	
101	3 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.50	
102	3 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 8.00	
103	3 Inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 10.50	
104	3 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$ 10.50	
105	3 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$ 39.00	
106	Closed Circuit Television (CCTV) Assembly System –State Furnished	Each	5.0	\$ 401.00	
107	ATMS Cabinet, State Furnished	Each	5.0	\$ 280.00	
108	ATMS Cabinet Foundation	Each	5.0	\$ 935.00	
109	45 Ft Camera Pole	Each	5.0	\$ 550.00	
110	45 Ft Camera Pole Foundation	Each	5.0	\$ 1,800.00	
111	60 Ft Camera Pole	Each	1.0	\$ 650.00	
112	60 Ft Camera Pole Foundation	Each	1.0	\$ 1,800.00	

Attachment -B Pricing  
Region #4 Richfield Sevier County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
113	7 ft Chain Link Fence Type IV	Lineal Ft	40.0	\$ 35.00	
114	7 ft. Chain Link Fence, Type I with Barb Wire Arm	Lineal Ft	40.0	\$ 40.00	
115	Chain Link Brace Post	Each	8.0	\$ 125.00	
116	Chain Link Gate, H=6 ft X W=6 ft	Each	1.0	\$ 650.00	
117	RWIS-ESS - State Furnished	Each	5.0	\$ 4,300.00	
118	Weigh In Motion System - State Furnished	Each	1.0	\$ 3,700.00	
119	Reconstruct Manhole	Each	1.0	\$ 600.00	
120	Type I-Polymer Concrete Junction Box	Each	10.0	\$ 412.00	
121	Type II-Polymer Concrete Junction Box	Each	10.0	\$715.00	
122	Type III-Polymer Concrete Junction Box	Each	5.0	\$1,200.00	
123	Type I-Polymer Concrete Junction Box Extension	Each	10.0	\$310.00	
124	Type II-Polymer Concrete Junction Box Extension	Each	10.0	\$600.00	
125	Type III-Polymer Concrete Junction Box Extension	Each	5.0	\$900.00	
126	Lighting Power Source Ground Mount	Each	10.0	\$1,578.00	
127	Lighting Power Source Pole Mount	Each	10.0	\$650.00	
128	5 Ton Crane with operator and laborer	Per Hour	100.0	\$150.00	
129	Bucket Truck having a 65 foot working height with operator	Per Hour	100.0	\$100.00	
130	Flat bed truck 1 ton with operator	Per Hour	100.0	\$47.00	
131	Backhoe Loader with transport and operator – Size CAT 240D or equivalent	Per Hour	100.0	\$70.00	
132	Auger Truck 36" diameter and 8 to 12 feet depth with operator	Per Hour	100.0	\$95.00	
133	Auger Truck 42" diameter and 11 to 32 feet depth with operator	Per Hour	100.0	\$275.00	
134	5 ton Dump Truck per hour with operator	Per Hour	100.0	\$70.00	

Attachment B- Pricing  
Region #4 Price Carbon County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
1	Traffic Control for New Installation Beyond the Shoulder	Each	10.0	\$ 231.00	
2	Traffic Control for Work within the Shoulder	Each	10.0	\$ 231.00	
3	Traffic Control for Single Lane Closure	Each	5.0	\$ 286.00	
4	Traffic Control for Two Lane Closure	Each	5.0	\$ 396.00	
5	Traffic Control Maintainer	Hour	30.0	\$ 47.00	
6	Flagging (State Projects)	Hour	30.0	\$ 16.00	
7	Flagging (Federal Projects)	Hour	30.0	\$ 16.00	
8	Construction Sign	Sq ft/d	500.0	\$ 0.50	
9	Plastic Barrels	Dev/d	100.0	\$ 0.75	
10	Barricades Type I	Dev/d	20.0	\$ 0.75	
11	Barricades Type II	Dev/d	20.0	\$ 0.75	
12	Barricades Type III	Dev/d	15.0	\$ 4.00	
13	Vertical Panel	Dev/d	20.0	\$ 0.75	
14	Check Dam	Lineal Ft	200.0	\$ 19.10	
15	Silt Fence Slop Barrier	Lineal Ft	200.0	\$ 2.50	
16	Slope Drain	Lineal Ft	200.0	\$ 10.66	
17	Drop-inlet Barrier	Lineal Ft	200.0	\$ 10.11	
18	Sediment Trap	Cu ft	25.0	\$ 3.62	
19	Temporary Berm	Lineal Ft	25.0	\$ 2.51	
20	Curb Inlet Barrier	Each	10.0	\$ 9.00	
21	Sand	Ton	2.0	\$ 20.00	
22	Free Draining Granular Backfill Borrow	Cu yd	5.0	\$ 25.00	
23	Geotextiles - Weed barrier	Sq yd	24.0	\$ 2.00	
24	Asphalt Fabric	Sq yd	20.0	\$ 0.50	
25	Remove Manhole	Each	1.0	\$ 600.00	
26	Remove Concrete Sidewalk	Sq yd	10.0	\$ 5.00	
27	Remove Concrete Driveway	Sq yd	50.0	\$ 7.60	
28	Remove Concrete Pavement	Sq yd	50.0	\$ 5.00	
29	Removal of Asphalt Pavement	Sq yd	50.0	\$ 10.00	
30	Site Clearing and Grubbing	Sq yd	100.0	\$ 10.00	
31	Landscape Grading	Sq yd	50.0	\$ 1.50	
32	Erosion Control Blanket	Sq yd	24.0	\$ 1.15	
33	Portland Cement Concrete Pavement 7 inch Thick	Sq ft	50.0	\$ 25.00	
34	Concrete Curb and gutter Type B1	Lineal Ft	25.0	\$ 25.00	
35	Pedestrian Access Ramp Type A	Sq Ft	4.0	\$ 8.50	
36	Concrete Sidewalk	Sq ft	60.0	\$ 5.00	
37	Concrete Flatwork 6 inch thick	Sq Yd	100.0	\$ 45.00	
38	Hot Mix Asphalt	Sq Yd	10.0	\$ 30.00	
39	Drill Seed	Acres	0.5	\$ 550.00	
40	Turf Seed	1000 sq ft	100.0	\$ 7.50	
41	Broadcast Seed	Acres	0.5	\$ 1,000.00	
42	Broadcast Seed	1000 sq ft	500.0	\$ 7.00	
43	Broadcast Turf Seed	1000 sq ft	500.0	\$ 5.00	
44	Turf Sod	Sq ft	20.0	\$ 5.00	
45	Tree Pruning	Each	2.0	\$ 75.00	
46	Mast Arm Signal Pole (50 ft to 65 ft) - State Furnished	Each	4.0	\$ 330.00	
47	Mast Arm Signal Pole (50 ft to 65 ft Foundation	Each	4.0	\$ 1,780.00	
48	65 ft Mast Arm - State Furnished	Each	4.0	\$ 600.00	
49	40 Ft Light Pole Extension with 10 ft Arm - State Furnished	Each	2.0	\$ 150.00	
50	480V Highway Liminaire - State Furnished	Each	2.0	\$ 330.00	
51	240V Highway Liminaire - State Furnished	Each	2.0	\$ 330.00	
52	Pedestrian Pole - State Furnished	Each	4.0	\$ 300.00	
53	Pedestrian Pole Foundation	Each	4.0	\$ 300.00	
54	1 inch Dia. X 36 inch Anchor Bolt with Hardware	Each	4.0	\$ 1.00	
55	1.5 inch Dia. X 54 inch Anchor Bolt with Hardware	Each	5.0	\$ 1.00	

Attachment B- Pricing  
Region #4 Price Carbon County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
56	2 inch Diameter Arch Bolt with Hardware	Each	4.0	\$ 1.00	
57	LED Ball and Arrow Signal Module, State Furnished	Each	24.0	\$ 150.00	
58	LED Pedestrian Signal Module, State Furnished	Each	4.0	\$ 100.00	
59	Power Source, Pole Mount	Each	2.0	\$ 712.00	
60	Power Source, Underground Service Pedestal	Each	4.0	\$ 1,574.00	
61	Size G Cabinet Pole Mount – State Furnished	Each	1.0	\$ 660.00	
62	Size 5 Cabinet – State Furnished	Each	2.0	\$ 280.00	
63	Size 5 Cabinet Foundation	Each	2.0	\$ 943.00	
64	Size 6 Cabinet - State Furnished	Each	2.0	\$ 280.00	
65	Size 6 Cabinet Foundation	Each	2.0	\$ 943.00	
66	Mast Arm Mounted Sign - State Furnished	Each	4.0	\$ 65.00	
67	IMSA 51-3, 1 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.35	
68	IMSA 51-7, 2 wires,AWG 14 gage	Linear Ft.	500.0	\$ 0.45	
69	IMSA 50-2, 2 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.60	
70	IMSA 20-1, 3 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.62	
71	IMSA 20-1, 4 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.75	
72	IMSA 20-1, 7 wire, AWG 14 gage	Linear Ft.	500.0	\$ 0.96	
73	RHHUSE-USE-RHW, 4 gage	Linear Ft.	500.0	\$ 1.22	
74	RHHUSE-USE-RHW, 6 gage	Linear Ft.	500.0	\$ 0.56	
75	RHHUSE-USE-RHW, 8 gage	Linear Ft.	500.0	\$ 0.50	
76	Belden RG-59	Linear Ft.	500.0	\$ 0.56	
77	Belden RG-8	Linear Ft.	500.0	\$ 0.60	
78	Belden 9913	Linear Ft.	500.0	\$ 0.56	
79	6 pair Belden AWG No. 19	Linear Ft.	500.0	\$ 2.58	
80	Times LMR 600	Linear Ft.	500.0	\$ 9.00	
81	Bare Copper Ground Wire, No. 6	Linear Ft.	500.0	\$ 0.42	
82	Electrical Work Bridges	Linear Ft.	500.0	\$ 6.50	
83	Ground Rods	Each	6.0	\$ 70.00	
84	Traffic Counting Loop Detector	Each	4.0	\$ 660.00	
85	Video Detection Assemblies - State Furnished	Each	1.0	\$ 758.00	
86	Video Detection Controller - State Furnished	Each	1.0	\$ 150.00	
87	Video Detection Cable Assembly - State Furnished	Each	1.0	\$ 50.00	
88	Camera mount, video Detection with 46 inch Tube State Furnished	Each	5.0	\$ 50.00	
89	Solar Power Battery Back Up – State Furnished	Each	4.0	\$ 1,200.00	
90	Wood Pole 35 ft – State Furnished	Each	6.0	\$ 350.00	
91	Flowable Fill	Cu yd	50.0	\$ 95.00	
92	Pothole Patching – Concrete	Sq ft	50.0	\$ 20.00	
93	Pothole Patching – Asphalt	Sq ft	50.0	\$ 10.00	
94	2 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$ 6.50	
95	2 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.50	
96	2 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 8.00	
97	2 inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 9.50	
98	2 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$ 10.00	
99	2 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$ 38.00	
100	3 inch Conduit Trenched in Native Earth at 18 Inch cover for less than 200 Feet	Lineal Ft	400.0	\$ 7.00	
101	3 inch Conduit Trenched in Native Earth at 24 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 7.50	
102	3 inch Conduit Trenched in Native Earth at 36 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 8.00	
103	3 Inch Conduit Trenched in Native Earth at 60 Inch cover for less than 200 Feet	Lineal Ft	200.0	\$ 11.00	
104	3 Inch Conduit Bored, Jacked or Drilled for less than 200 Feet	Lineal Ft	100.0	\$ 11.00	
105	3 Inch Conduit in Trenched Pavement, Concrete or Sidewalk at 3 foot cover for less than 200 Feet	Lineal Ft	100.0	\$ 39.00	
106	Closed Circuit Television (CCTV) Assembly System –State Furnished	Each	5.0	\$ 401.00	
107	ATMS Cabinet, State Furnished	Each	5.0	\$ 280.00	
108	ATMS Cabinet Foundation	Each	5.0	\$ 935.00	

Attachment B- Pricing  
Region #4 Price Carbon County  
Installation, Relocation, and Repair of the ATMS Devices

	DESCRIPTION	unit	quantity	unit price	extended price
109	45 Ft Camera Pole	Each	5.0	\$ 550.00	
110	45 Ft Camera Pole Foundation	Each	5.0	\$ 1,800.00	
111	60 Ft Camera Pole	Each	1.0	\$ 650.00	
112	60 Ft Camera Pole Foundation	Each	1.0	\$ 1,800.00	
113	7 ft Chain Link Fence Type IV	Lineal Ft	40.0	\$ 35.00	
114	7 ft. Chain Link Fence, Type I with Barb Wire Arm	Lineal Ft	40.0	\$ 40.00	
115	Chain Link Brace Post	Each	8.0	\$ 125.00	
116	Chain Link Gate, H=6 ft X W=6 ft	Each	1.0	\$ 650.00	
117	RWIS-ESS - State Furnished	Each	5.0	\$ 5,300.00	
118	Weigh In Motion System - State Furnished	Each	1.0	\$ 3,700.00	
119	Reconstruct Manhole	Each	1.0	\$ 600.00	
120	Type I-Polymer Concrete Junction Box	Each	10.0	\$ 412.00	
121	Type II-Polymer Concrete Junction Box	Each	10.0	\$715.00	
122	Type III-Polymer Concrete Junction Box	Each	5.0	\$1,200.00	
123	Type I-Polymer Concrete Junction Box Extension	Each	10.0	\$310.00	
124	Type II-Polymer Concrete Junction Box Extension	Each	10.0	\$600.00	
125	Type III-Polymer Concrete Junction Box Extension	Each	5.0	\$1,200.00	
126	Lighting Power Source Ground Mount	Each	10.0	\$1,578.00	
127	Lighting Power Source Pole Mount	Each	10.0	\$650.00	
128	5 Ton Crane with operator and laborer	Per Hour	100.0	\$150.00	
129	Bucket Truck having a 65 foot working height with operator	Per Hour	100.0	\$100.00	
130	Flat bed truck 1 ton with operator	Per Hour	100.0	\$47.00	
131	Backhoe Loader with transport and operator – Size CAT 240D or equivalent	Per Hour	100.0	\$70.00	
132	Auger Truck 36" diameter and 8 to 12 feet depth with operator	Per Hour	100.0	\$95.00	
133	Auger Truck 42" diameter and 11to 32 feet depth with operator	Per Hour	100.0	\$275.00	
134	5 ton Dump Truck per hour with operator	Per Hour	100.0	\$70.00	

**Exhibit I**  
**SECTION 02923S**

**ATMS POWER SERVICE**

**PART 1      GENERAL**

**1.1      SECTION INCLUDES**

- A.      Furnish and install a complete electrical power service as shown in the Details and Specifications. Includes all coordination with the power service provider, wires, surge protection, rigid metal riser, weatherhead, transformer, disconnects, conduit risers and stand-off brackets, breakers, clamps, conduit, junction boxes, grounding materials, duct seal, pull wire, locate tape, labor, workmanship, equipment, testing, documentation, and incidental items required for a fully operational system.
- B.      Furnish and install Power Pole.

**1.2      RELATED SECTIONS**

- A.      Section 13551: General ATMS Requirements

**1.3      REFERENCES**

- A.      ASTM A 123: Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
- B.      ASTM B 117: Operating Salt Spray (Fog) Apparatus
- C.      Local utility electric service requirements
- D.      National Electrical Manufacturers Association (NEMA) Standards Publication 250-1997
- E.      National Electric Code (NEC)
- F.      UL E-50076

## **1.4 SUBMITTALS**

- A. All submittals shall be in accordance with Section 13551: General ATMS Requirements.

## **PART 2 PRODUCTS**

### **2.1 GENERAL**

- A. All electric service products shall comply with NEC, local utility electric service requirements and standards, and UDOT standards.
- B. Provide approved underground service pedestal. Service pedestal shall be a safety switch as indicated in UDOT Standard Drawing SL-3. Service Enclosures must be NEMA 3R rated (See NEMA Standards Publication 250-1997).
- C. Provide circuit breakers sized as indicated in plans.
- D. Provide riser and weatherhead in compliance with UDOT and local utility standards (See UDOT Standard Drawing SL-6).
- E. Provide approved blade disconnect as shown on plans and details.
- F. Provide MasterLock P848 Lock for all disconnects and service pedestals. Provide two keys per lock to the Engineer.
- G. Pole Mount: Standard Drawing SL-6.
  - 1. Service disconnect according to plans.
  - 2. Provide a manual EUSERC approved circuit closing link by-pass release meter socket.
  - 3. Unmetered street lighting circuit.
- H. Underground Service Pedestal: As specified, ASTM B 117, and ASTM A 123 (Cabinet), UL E 50076.
  - 1. Enclosure: 0.120 inch galvanized steel or anodized aluminum.
    - a. 0.080 inch galvanized steel or anodized aluminum covers.
    - b. Finished surface with an environmental green, baked enamel over zinc-chromate primer as specified, or anodized aluminum. ASTM B 117.
    - c. Bottom access opening.
    - d. Electrical Utility Service Equipment Requirements Committee (EUSERC) approved circuit-closing by-pass release meter socket.
    - e. Baffled ventilation louvers.



- I. Circuit Breaker: Main Breaker
  - 1. Six space metered.
  - 2. Six space unmetered bus.
- J. Detachable, pad-mount base.

## **2.2 WOOD POWER POLE**

- A. Power pole shall comply with local utility electric service requirements.

## **PART 3 EXECUTION**

### **3.1 GENERAL**

- A. All electric service installation shall comply with NEC, local utility electric service requirements and standards, and UDOT standards.
- B. Install underground service pedestal.
- C. Install power pole as indicated on plans and in accordance with all local utility standards. Tamp and compact surrounding grade to match existing soil compaction. Contact the power company 10 days prior to pole installation.
- D. Coordinate any utility connection with the Engineer and contact the utility company at least 60 days before the desired connection date.
- E. Verify the exact location, voltage, procedure, and materials required by the utility company.
- F. All underground and riser electrical conductors will be copper rated RHH-USE-RHW.
- G. All electrical equipment, including cabinets, will be grounded in accordance with NEC. All ground wires will be hard drawn.
- H. Contractor is responsible for supplying all conduit and conductors to power source connection location. Final connection is to be made by the power company.

### **3.2 POWER SERVICE**

- A. The Contractor will make timely and appropriate arrangements with the local power company for the installation of power service.
- B. The Department will be responsible for all on-going electrical costs.

END OF SECTION

**Exhibit II**  
**SECTION 13553S**  
**Special Provision**  
**ATMS CONDUIT**

**PART 1      GENERAL**

**1.1      SECTION INCLUDES**

- A.      Furnish and install conduit as shown on the plans and details. Unless otherwise specified, conduit may be installed by trenching, boring, or plowing.
- B.      Includes locate wire with associated 1" conduit.
- C.      Includes Mule Tape, all materials, labor, workmanship, equipment, and incidental items required for a complete system of conduit.

**1.2      RELATED SECTIONS**

- A.      Section 00725, Scope of Work
- B.      Section 02061: Select Aggregate
- C.      Section 02705: Pavement Cutting
- D.      Section 02741: Hot Mix Asphalt (HMA)
- E.      Section 02776: Concrete Sidewalk, Median Filler, and Flatwork
- F.      Section 02892: Traffic Signal
- G.      Section 03575: Flowable Fill
- H.      Section 13554: Polymer Concrete Junction Box
- I.      Section 13551: ATMS General Requirements
- J.      Section 13555: ATMS Cabinet

## **1.3 REFERENCES**

- A. ASTM D2241: Standard Specification for Poly-Vinyl Chloride (PVC) Pressure-Rated Pipe (SDR Series)
- B. American National Standards Institutes (ANSI)
- C. American Wire Gauge (AWG)
- D. ANSI C 80.1: Rigid Steel Conduit
- E. National Electric Code (NEC)
- F. NEC Article 346: Rigid Metal Conduit
- G. NEC Article 347: Rigid Nonmetallic Conduit
- H. National Electrical Manufacturers Association: (NEMA)
- I. NEMA Article TC-2: Electrical Polyvinyl Chloride (PVC) Tubing and Conduit.
- J. NEMA Article TC-3: PVC Fittings for Use with Rigid PVC Conduit and Tubing
- K. Underwriters Laboratory: UL-6

## **PART 2 PRODUCTS**

### **2.1 MATERIALS**

- A. Conduit and Fittings:
  - 1. Schedule 40 PVC rated at 194 degrees F, as specified. NEMA TC-2, NEMA TC-3, ASTM D2241, UL Listed.
  - 2. HDPE (High Density Polyethylene) SDR11 rated, as specified. ASTM D 2241.
  - 3. Rigid steel as specified (UL-6).
  - 4. Galvanized as specified (ANSI C80.1).
- B. Multi Conduit
  - 1. New, prefabricated.
  - 2. Minimum of 4 each 2-inch conduit.
  - 3. Label: FIBER OPTIC COMMUNICATIONS, permanent ½-inch black letters, every 6 ft. on the outside of each conduit.
  - 4. ATMS Conduit Types

- a. 1D = 4-2 inch conduit
  - b. 2D = 8-2 inch conduit
  - c. 4D = 16-2 inch conduit
- 5. Color code each conduit or cell as follows:
  - a. 1D
    - Bank 1: one conduit of blue, orange, green and brown
  - b. 2D
    - Bank 1: one conduit of blue, orange, green, and brown
    - Bank 2: one conduit of slate, white, red, and black
  - b. 4D
    - Bank 1: one conduit of blue, orange, green, and brown
    - Bank 2: one conduit of slate, white, red, and black
    - Bank 3: same as bank 1 with a stripe of contrasting color
    - Bank 4: same as bank 2 with a stripe of contrasting color
- C. Provide all materials used in the installation of conduits, such as sweeps, adapters, couplings, glue, plugs and fittings, to meet or exceed all of the recommendations of the conduit manufacturer for suitable installation.
- D. Provide special termination kits from the conduit manufacturer for terminating the conduit in vaults and junction boxes. Provide kits that form a watertight seal of conduit to structure wall.
- E. Use complete conduit sections in nominal 20 ft. sections; couplings and fittings to provide for watertight integrity.
- F. Use complete conduit manufactured 36" radius sweeps (11 1/4, 22 1/2, 45, 90 degree angles) complete with bell and spigot. Do not field bend conduit.
- G. Provide flat profile, low stretch polyester, sequential footage marked, 2500 lb. tensile strength Mule Tape or approved equal in each empty conduit or cell.
- H. Provide fiber optic and electrical buried cable marker warning tape that meets the following requirements:
  - 1. Material: Composite reinforced thermoplastic.
  - 2. Tape Color: Orange (communication) or Red (electric).
  - 3. Length: 5 ft. minimum.
  - 4. Text: Caution Buried Communication Cable or Caution Buried Electric (front and back).
  - 5. Text Color: Black.
  - 6. Width: 3-inch minimum (face or diameter).
- I. Provide 1 jacketed #14 THHN solid green locator wire in 1 inch conduit in each trench where ATMS Conduit is installed. Place the locate wire conduit at the top of all other conduit in the trench as shown in Standard Drawing AT-6.

- J. Provide locator wire connection device that meets the following requirements:
  - 1. Screw clamp connection type.
  - 2. Suitable for 22 to 8 AWG.
  - 3. Rated 50 amps.
  - 4. Rated 600 V.
  - 5. Provide zinc bichromate plated steel mounting rail for locator wire connection device.
- K. Backfill
  - 1. Flowable Fill: Section 03575.
  - 2. Free Draining Granular Backfill Borrow: Section 02061.
  - 3. Native material: 96 percent compaction.

## **PART 3 EXECUTION**

### **3.1 INSTALLATION**

- A. Plans depict conduit routing in schematic form only. Base final routing on actual field conditions at the time of construction, including Blue Stake markings, to prevent conflicts with existing utilities.
- B. When installing conduit that houses communication cable, do not allow conduit to deflect vertically or horizontally along its length by a ratio greater than 10:1, (e.g. no more than 4-inch deflection per 40 inch in length).
- C. When installing conduit, do not allow the sum total of the vertical and horizontal deflection of conduit between any two junction boxes exceed 270 degrees.
- D. Do not place conduit directly above parallel utilities.
- E. If the planned location of conduit is parallel to the existing traffic signal or ATMS conduit, locate conduit within 1 ft. of existing parallel conduit run (Refer to Section 02892: Traffic Signal).
- F. Install all conduit bends to have a radius that is not less than 3 feet.
- G. Install conduits that cross-finished curbs and gutters, sidewalks, concrete flatwork, textured or decorative surfaces by boring, jacking, or drilling. Entirely replace any damaged section at no additional cost to the Department.
- H. Obtain appropriate permits before work commences.
- I. Conduit Stub

1. Conduit to be installed in a junction box (Refer to Section 13554: Polymer Concrete Junction Box), to allow for the continuation of a conduit run. Type and number of conduits as shown on details.
  2. Conduit stub to extend 10 feet from the junction box in line with the conduit run as shown on the Plans and Details.
- J. All conduits must be proofed with an approved mandrel prior to installation of cabling and Mule Tape.
- K. Record longitudinal and depth GPS coordinates (x,y,z) of conduit every 250 feet (minimum). See Section 13551, Article 2.1.D, As Built Drawings.

### **3.2 TRENCH FOR CONDUIT**

- A. Paved Surface (asphalt concrete):
1. Prior to any backhoe use, saw cut (Refer to 02705: Pavement Cutting) roadway-to-roadway base on both sides of trench to provide clean, straight wall for T-patch.
  2. Use flowable fill to within 3 1/2 inches to 6 inches of the existing roadway surface, depending on the existing pavement thickness.
  3. Minimum soil compaction under pavement: 96 percent.
  4. Evenly apply tack coat before final backfill.
  5. Restoration patch: match the composition, density, and elevation (1/4 inch), of the existing surface (Refer to 02741: Hot Mix Asphalt).
- B. Sidewalk or Decorative Pavement.
1. Use flowable fill to within 3 1/2 inches to 6 inches of the existing roadway surface, depending on the existing pavement thickness.
  2. Minimum soil compaction under pavement: 96 percent.
  3. Restore sidewalk or decorative pavement to original condition or better after work is completed (Refer to Section 02776: Concrete Sidewalk, Median Filler, and Flatwork).
- C. Unpaved Surface:
1. Use backfill that matches the composition, density, and elevation ( $\pm 0.2$  inch), of the existing surface (Refer to Section 02776: Concrete Sidewalk, Median Filler, and Flatwork).
  2. Dispose of surplus material daily.
  3. Use flowable fill from bottom of trench to 3" above top conduit.
- D. Conduit under Railroad Right-of-Way: Refer to Section 00725, Article: Railway Highway Provisions, and appropriate Railroad, such as Union Pacific Railroad, Standard Specifications:
1. Coordinate all work with appropriate Railroad personnel.
  2. Complete Railroad Safety Training.

- E. Minimum cover of conduit:
  - 1. Minimum cover in sidewalks or paved surfaces: 3 ft.
  - 2. Minimum cover in highway right of way, greater than 20 ft. from the edge of the pavement: 3 ft.
  - 3. Minimum cover within 20 ft. of the edge of the pavement: 5 ft.
- F. Warning Tape:
  - 1. Install orange warning tape with black legend CAUTION - BURIED COMMUNICATION CABLE in all trenches containing multi-duct conduit or conduit containing communication cables.
  - 2. Install red warning tape with black legend CAUTION - BURIED ELECTRIC in all other trenches.
  - 3. Not required when flowable fill is directly overlaid with asphalt pavement or PCCP.
  - 4. Not required when boring conduit.
- G. Locator Wire:
  - 1. Install #14 THHN solid green locator wire continuously in 1-inch conduit and bond to grounding rods within each junction box.
  - 2. Mount locator wire connection device to the sidewall of each junction box using a mounting rail (Refer to Section 13554: Polymer Concrete Junction Box).
  - 3. Connect the locator wire to the terminal block and connect the terminal block to the ground rod.

### **3.3 INSTALL CONDUIT**

- A. Place all conduits in the same trench whenever possible before surfacing.
- B. Above ground use galvanized rigid steel; underground use PVC or HDPE. Apply corrosion protection per NEC Article 346 to any portion of galvanized rigid steel conduit buried in the ground or encased in concrete.
- C. If flowable fill is used, encapsulate conduit a minimum of 3 inches above the top conduit with flowable fill. Continue flowable fill to the wall of the junction box to seal conduit entry into junction box. Clean excess flowable fill from inside junction box.
- D. Install Mule Tape in all empty conduit including all cells of multi-duct conduit.
  - 1. On each end of conduit install plug with ¼-inch hole for Mule Tape.
  - 2. Leave 2 ft. of Mule Tape outside of the plug and fasten securely to plug.
  - 3. Because the Mule Tape is sequentially numbered, it must be continuous between junction boxes – do not splice Mule Tape in conduit.



- E. Place all conduit that passes through a structural member in a metallic sleeve.
- F. Secure conduit on structures with standard galvanized iron conduit clamps using at least 5/16-inch diameter concrete expansion anchors at a maximum of 5 ft. spacing.
- G. Use conduit expansion fittings at structure expansion joint crossings.
- H. Install all conduits so the flowable fill completely surrounds all exterior surfaces of the conduit. Separate multi-duct conduits using a commercially available conduit spacer or approved equivalent.
- I. Install a bushing or adapter at ends of all nonmetallic conduit that contains a conductor per NEC Article 346, to protect the conductor from abrasion. Install rounded bushings on the ends of metal conduits per NEC Article 347.
- J. Fill all new and existing conduit to less than 40 percent as per NEC.
- K. Install manufactured sweeps in the multi-conduit (11 1/4, 22 1/2, 45, 90 degree angle) with conduit compatible bell and spigot ends. Do not field bend conduit.
- L. Prior to pouring flowable fill, anchor the conduit in trench, at 16 ft intervals, to maintain the required conduit depth during pour.
- M. Minimum separation between all conduit is 1.5 inches. The separation between individual conduit within a single cluster of multi-duct conduit is permitted to be closer.
- N. Minimum separation between all conduit and the wall of the trench is 1.5 inches.
- O. Place the locator wire conduit on the plane of the uppermost conduit in the trench. The separation between the locator wire conduit and other conduit may be less than 1.5 inches.
- P. In native earth, do not place flowable fill closer than 6 inches to the finished grade.
- Q. Maximum spacing between junction boxes is as follows:
  - 1. 1,000 ft for tangent surface street installations
  - 2. 3,000 ft for tangent highway installations
  - 3. Maximum spacing shall be reduced if horizontal or vertical deflection prevents the installation of cable within maximum tensile rating of the cable or location wire.

### **3.4 USE OF EXISTING OR OCCUPIED CONDUIT**

- A. Maintain the physical condition and functional integrity of all cabling and wiring in existing or occupied conduit.
- B. Prior to installing fiber optic cable in an existing or occupied conduit:
  - 1. Remove any existing fiber optic cable/copper wire.
  - 2. Test the integrity and clean the conduit by successfully pulling a Department approved mandrel through the conduit prior to installing cable.
  - 2. Re-pull new and existing fiber optic cable/copper wire together.
  - 3. Perform all necessary splices and replace any impacted fiber cable, spider fan-out kits, and locate wire.
  - 4. Perform all additional necessary work needed to restore existing cable and conduit systems.

### **3.5 REPAIR/RESTORATION**

- A. Restore all areas, including landscaping, concrete pavement, asphalt, finished curbs and gutters, box culverts, sewers, underground water mains, sprinkler systems, sidewalks, concrete flatwork, textured or decorative surfaces, that were damaged during conduit and junction box installation.
- B. Coordinate with local utilities for utility repair. Advise the Engineer of all repairs.

END OF SECTION

Exhibit III  
SPECIAL PROVISION  
SOLAR POWER BATTERY BACK UP

PART 1 General

1.1 SECTION INCLUDES

- 1.1.1 Materials and procedures for the installation of Solar Power Battery Back Up.

1.2 RELATED SECTIONS

- 1.2.1 Section 02891 Traffic Signs  
1.2.2 Section 02892 Traffic Signals  
1.2.3 Section 13553 ATMS Conduit  
1.2.4 Section 13556 Closed Circuit Television (CCTV) Assembly  
1.2.5 Section 13592 Installation of State Furnished RWIS-ES

Part 2 PRODUCTS

2.1 Posts

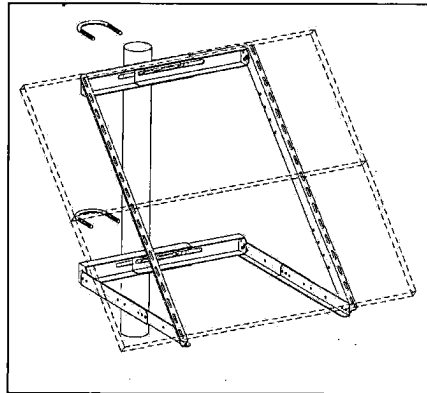
- 2.1.1 Refer to Section 02891 Traffic Signs Part 2.1.A for specifications.

2.2 Wood Pole

- 2.2.1 Refer to Section 13556 Closed Circuit Television (CCTV) Assembly Part 2.1.A for specifications.  
2.2.2 Refer to Special Provision 13553S ATMS Conduit Part 2.2.A for specifications

2.3 Universal Side-of-Pole Mounts

- 2.3.1 State Furnished



Typical Universal Side-of-Pole Mount for two Solar Panels size 21”X48”

2.4 Solar Power Battery Back Up

- 2.4.1 State Furnished

Part 3

3.1 PREPARATION

- 3.1.1 Obtain State furnished material for UDOT warehouse.  
3.1.2 Install traffic control devices before a work activity begins.

- 3.1.3 Prepare construction site following section 02231 Site Clearing and Grubbing
- 3.2 Installation
  - 3.2.1 Install post following Section 02891 Traffic Signs
  - 3.2.2 Install wood pole following Section 13556 Closed Circuit Television (CCTV) Assembly,
  - 3.2.3 Install Universal Side-of-pole Mounts and Solar Power Battery Back Up based upon factory instruction.

End of Section

## ATTACHMENT C

### SPECIAL TERMS AND CONDITIONS Installation, Relocation and Repair of the ATMS Devices

1. **CONTRACT** This is a requirements contract to provide service and components for Installation, Relocation, and Repair of the ATMS Devices at various locations for the Utah Department of Transportation. The locations for the work will include UDOT Regions 1, 2, 3 and 4. Services for a period of Two (2) years with three (3) one year renewal options.

2. **QUANTITY OR AMOUNT ESTIMATES** State does not guarantee to purchase any amount under this contract. Estimated amounts are for bidding purposes only and are not to be construed as a guarantee to purchase any amount.

3. **PRICING** The Contractor agrees that the prices bid on materials/services in this contract shall be guaranteed for two (2) year.

ANY CHANGE REQUEST ON PRICES MUST GUARANTEE THE PRICE FOR TWO YEARS, AND MUST BE MADE AT LEAST THIRTY (30) DAYS PRIOR TO THE REQUESTED EFFECTIVE DATE. ANY SUCH REQUEST MUST INCLUDE SUFFICIENT DOCUMENTATION SUPPORTING THE REQUEST. REQUESTS FOR CHANGE ON ANY PRICING IN THIS CONTRACT SHALL NOT BE EFFECTIVE UNTIL IT IS APPROVED BY THE PROCUREMENT SUPERVISOR OR THE PROCUREMENT MANAGER OF THE UTAH DEPARTMENT OF TRANSPORTATION.

4. **WAGES** The Contractor shall be responsible for all applicable company wages in accordance with the federal, state, and local laws and ordinances.

5. **PURCHASE ORDERS** Prior to award of a Purchase Order(s) for each specific project; a detailed scope of work based upon the work requested shall be provided to the Regional Project Manager or TOC Operation Manager, which will included the cost of the project, and completed date.

6. **WORK SCHEDULING** Work Schedules shall be negotiated between UDOT and CONTRACTOR. If CONTRACTOR is not available to meet time the requirements of UDOT, another contractor may be used for the project.

7. **INVOICING** THE CONTRACT NUMBER MUST APPEAR ON ALL INVOICES, BILLS OF LADING, PACKAGES AND ALL CORRESPONDENCE.

The State reserves the right to adjust incorrect invoices.

The State will remit payment by mail.

Invoices shall have all current and pertinent documentation supplied with the invoice as indicated below:

- Work order number (referenced to written estimate and authorization)
- Location and date of work
- Tabulation of quantities and contract unit prices
- ~~Copy of OTDR test (if applicable); Light Test Sheets (section 13594 Fiber Optic Communication)~~
- ~~All modifications to existing system redlined on department-furnished As-Built drawings, including splice detail sheets~~
- All required documentation as specified within pay-item descriptions
- Invoices shall be requested only upon completion of the work order
- Send invoices and documentation requirements for ~~repair and maintenance~~ work to:

pg- 3  
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Part B  
Project  
manager

## ATTACHMENT C

### SPECIAL TERMS AND CONDITIONS Installation, Relocation and Repair of the ATMS Devices

~~Utah Department of Transportation  
Traffic Operation Center  
Attn. Joe McBride  
2060 South 2760 West  
Salt Lake City, Utah 84104-4592~~

Send Invoices and Documentation Requirements for new installation work to:

~~Utah Department of Transportation  
Traffic Operation Center  
Attn. Craig Wright  
2060 South 2760 West  
Salt Lake City, Utah 84104-4592~~

8. NON-ASSIGNMENT The Contractor shall not sublet, assign or transfer any part of the contract without prior written approval from the Procurement Supervisor or the Procurement Manager of the Utah Department of Transportation. The provision of monies due under this contract shall not be assignable without prior written approval from the Procurement Supervisor or the Procurement Manager of the Utah Department of Transportation.

9. INSURANCE The Contractor shall maintain, during the life of this contract, complete Owner's Protective Liability Insurance in the following amounts: Bodily Injury and Property Damage - \$1,000,000 per Occurrence and \$2,000,000 per Aggregate

10. AUTHORIZATION TO USE SERVICES The use of services shall be authorized and requested in writing, and only by the respective Regional Project Manager or TOC Field Operations Managere.

11. NON – COMPETE CLAUSE The CONTRACTOR represents its officers and employees are free to contract with STATE and are not subject to restrictions by the terms of their present or past employment including, but not limited to an agreement not to compete for a period of time unless disclosure has been made. CONTRACTOR must disclose to the STATE any possible conflicts, in writing, before the contract is signed, and the STATE will evaluate whether to continue with contract execution. STATE may elect to terminate a contract immediately with a CONTRACTOR who is subsequently determined to be subject to such restrictions without liability to the STATE. If the STATE elects to terminate a contract for this reason, the STATE will supersede paragraph #12 in Attachment A - Standard Terms and Conditions and will not provide 30 day prior notice to the CONTRACTOR.

12. LIQUIDATED DAMAGES: CONTRACTOR agrees to delivery of items as quoted in this bid. Failure to deliver as quoted, constitutes an event of default. The actual damages to the Department of Transportation for delay will be difficult or impassible to determine. Therefore, in lieu of actual damages, the vendor shall pay to the Department of Transportation, liquidated damages for each calendar day of delay, an amount of \$50.00 per unit, up to a maximum of 90 calendar days (including pilot unit). Should the vendor be unable to complete the delivery at the end of the 90-day period, the Utah Department of Transportation may, at its option, treat the contract as breached, terminate the contract, purchase substitute goods else-where, and charge the full increase, if any, in cost and handling for such purchase to the defaulting vendor, and seek such additional relief as provided by law. The vendor shall not be charged for liquidated damages when delay arises out of causes beyond the control and without the fault or negligence of the vendor

## ATTACHMENT C

### SPECIAL TERMS AND CONDITIONS Installation, Relocation and Repair of the ATMS Devices

13. COMPLETE DELIVERY Delivery shall not be deemed to be complete until the goods have been actually received and accepted by STATE, including setup and testing if applicable, notwithstanding any agreement to pay freight, express or other transportation charges.

14. NOTIFICATION All notices or correspondence given pursuant to this contract shall be sent to:

CONTRACTOR

Hidden Peck Electric Co.  
Dereke Lee  
4586 South Cherry Street  
Murray, UT  
801-262-5513 Voice  
801 262-5689

STATE

Utah Department of Transportation  
Denice McCarthy, Procurement  
4501 South 2700 West  
Salt Lake City, UT 84119  
801-965-4761 Voice  
[Dmccarthy@Utah.gov](mailto:Dmccarthy@Utah.gov)  
801.965.4073 Fax

Technical questions can be directed to:

CONTRACTOR

Hidden Peck Electric Co.  
Dereke Lee  
4586 South Cherry Street  
Murray, Ut  
801-262-5513 Vice  
801-262-5689

STATE

Utah Department of Transportation  
Traffic Operation Center  
Attn. Joe McBride  
2060 South 2760 West  
Salt Lake City, Utah 84104-4592

15. NON-PERFORMANCE If, at any time, the individuals proposed fail to demonstrate the required expertise (as represented in the CONTRACTOR's proposal) or fail to meet acceptable standards of performance, the STATE reserves the right to require the CONTRACTOR to replace this individual with a competent individual. This replacement must be approved by the STATE Project Manager. If the CONTRACTOR fails to accomplish project objectives or meet schedule commitments established in meetings with the STATE Project Manager, this contract may be canceled immediately. Waiver of any individual requirements shall not be deemed as a waiver of any other contract provisions. Lack of demand shall not be deemed of a requirement waiver. If the STATE elects to terminate the contract for non-performance, the STATE will supersede paragraph # 12 in Attachment A -Standard Terms and Conditions, and will not provide 30 day prior notice to the CONTRACTOR.

16. QUALITY SERVICES CONTRACTOR represents to STATE that it is experienced in and thoroughly familiar with all aspects of the services required hereunder and is properly qualified as applicable and is equipped, organized, and financially able to perform the services.

No changes in the services to be provided by CONTRACTOR under this Contract shall be made without STATE's prior written approval.

17. TERMINATION The occurrence of any of the following constitutes a breach by CONTRACTOR unless corrected by CONTRACTOR within five (5) days.

- CONTRACTOR failure to perform services and/or deliver product on time.
- Services performed and/or product delivered by CONTRACTOR do not conform with the

**ATTACHMENT C****SPECIAL TERMS AND CONDITIONS****Installation, Relocation and Repair of the ATMS Devices**

terms set forth in this Contract.

- CONTRACTOR fails to perform any material provision of this Contract.
- STATE and CONTRACTOR do not reach an agreement on the next Pricing Period.
- CONTRACTOR assigns this Contract, or any obligation or rights hereunder. (The term "assign" to include, without limitation, a transfer of majority.)
- CONTRACTOR sells or merges with a third-party (not a parent or subsidiary company) without the prior written consent of STATE.
- CONTRACTOR becomes insolvent or makes an assignment for the benefit of creditors, or a receiver, or similar officer is appointed to take charge of all or part of CONTRACTOR's assets.

CONTRACTOR shall cure any of the above breaches and notify STATE of such cure within five (5) days from receipt of a notice to cure from STATE. If CONTRACTOR fails to cure, STATE may terminate this Contract by giving CONTRACTOR written notice. STATE shall have no liability to CONTRACTOR thereafter except for payment of any balance due for conforming services performed prior to the date of STATE's notice to cure. STATE may, at its option and without regard to CONTRACTOR's ability to cure, terminate this Contract for cause in the event of any second or subsequent instances of the above breaches by CONTRACTOR.

18. **TERMINATION FOR OTHER THAN NON-PERFORMANCE.** If the STATE terminates for reasons other than non-performance, the CONTRACTOR is relieved of any performance responsibilities on the project, and the withheld performance guarantee amount will be released by the STATE. The estimated completion of projects may overlap in new fiscal years. (STATE fiscal year is from July 1, to June 30). If funding is not allocated for individual projects which overlap into the new fiscal year, the project will be automatically terminated on June 30<sup>th</sup> without written notice to CONTRACTOR.

19. **CONTRACT SCHEDULE, DELAYS AND EXTENSIONS:** Completion of the contract in accordance with the schedule is the responsibility of the CONTRACTOR. The CONTRACTOR agrees to proceed with the performance of this contract continually and diligently in accordance with the agreed upon contract schedule and will make no charges or claims for extra compensation due to delays or hindrances within its control. Failure to comply with the contract schedule constitutes adequate justification for contract termination. The STATE may allow an extension of time beyond the agreed upon schedule, but by doing so does not waive any of its rights under the contract to secure full and complete contract performance